RATIONAL Spare Parts List



RATIONAL

Combi-Master CM 20

Important:

Please use only

Original RATIONAL Spare Parts.

When ordering Spare Parts please do always indicate:

- **Unit Number**
- **Spare Part Number**
- **Spare Part Description**

Note:

We reserve ourselves the right to execute technical modifications which serve the improvement of the product and the technical progress without giving advanced notice.

Control Panel

Electrical Installation

Core Temperature / Meat Probe

Steam Generator

Hot Air Heating

Motor and Fan Wheel

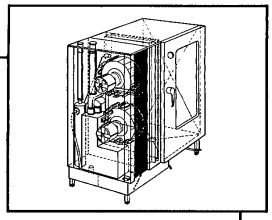
Interior Cabinet

Door

Bottom (Top elevation)

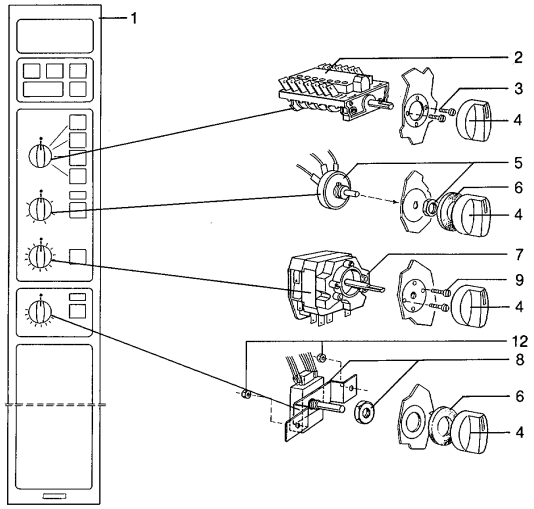
Bottom (Lower elevation)

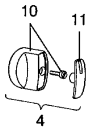
Miscellaneous



Control Panel

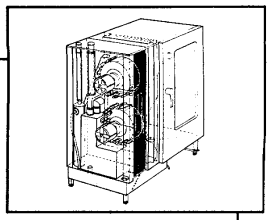
Component Group	Page	Edition	applicable from Serial No.
1	**1.1**	**1.1.1**	**20M 87 09 1001**





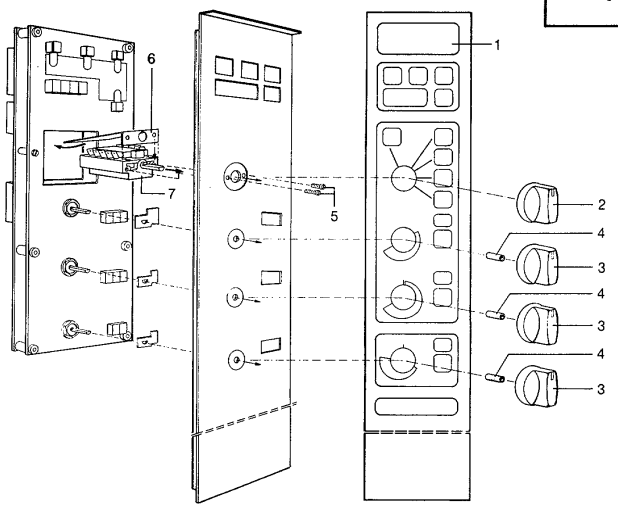
Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	2049.0613	control panel	
2	1	3016.1631	mode switch block	S1
3	2	1004.0061	slotted pan head screw M 4x8	
4	4	3013.0329	dial	
5	1	3040.0150	poti hot air	
6	2	5012.0530	gasket	
7	1	3013.0101	timer 120 min	S2
8	1	3040.0151	poti core temp	S4,R2
9	2	1003.0224	cylinder sheet screw	
10	4	3013.0326	dial	
11	4	3013.0328	dial-cover	
12	2	1106.0801	hex combi nut	

RATIONAL **Combi-Master** **CM 20**



Control Panel

Component Group	Page	Edition	applicable from Serial No.
1	**1.1**	**1.1.2**	**20M 89 04 1049**

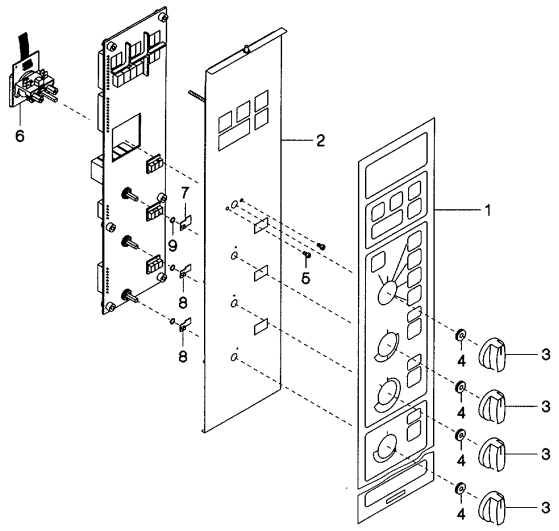


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	2049.0715	control panel	
2	1	3013.0330	dial for mode switch block	
3	3	3013.0331	dial for poti	
4	3	2022.0104	bushing	
5	2	1004.0061	slotted pan head screw M 4x8	
6	1	2510.390772	insulation paper	
7	1	3016.1631	mode switch block	

RATIONAL Combi-Steamer CM 20

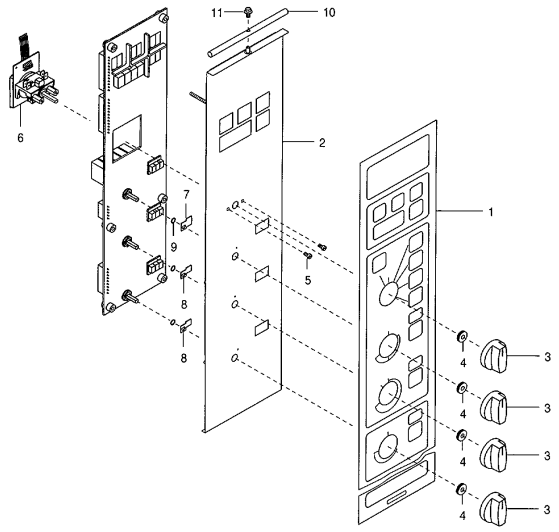
Control Panel

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**1**	**1.1**	**1.1.3**	**20M91042001**

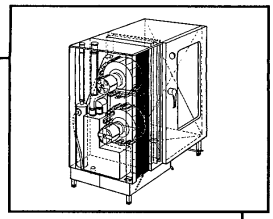


Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	1	2049.0823	control panel	
2	1	8600.01020489	front panel	
3	4	3013.0330	dial	
4	3	2022.0104	grommet	
5	2	1004.0061	slotted pan head screw M4x8	
6	1	3016.1631	mode switch block	S1
7	1	2510.530746	stop for poti hot air	
8	2	2510.520731	stop for poti core temp./timer	
9	3	1315.0101	copper washer	

Bedienblende **Control Panel**	Spannung Voltage	Baugruppe Group	Ausgabe Edition	gültig ab Seriennummer Applicable from Serial.No.
	3 N AC 400V 50Hz	1	1.1.4	20M96011001

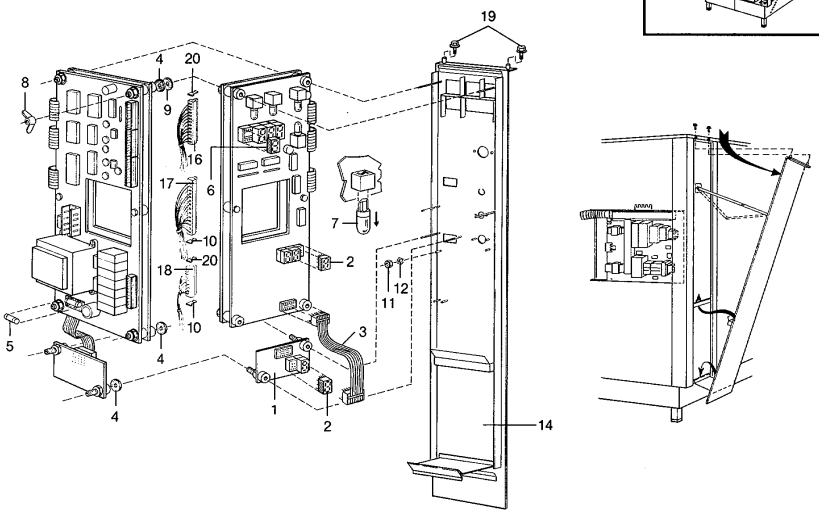


Pos. Pos.	St. Pcs.	Ersatzt.Nr. Sp. Part No.	Bezeichnung	Description
1	1	2049.0823	Blende	Control panel
2	1	8600.01020489	Frontplatte geschweißt	Front panel welded
3	4	3013.0330	Knebel blau Typ CM ab 04/89	Dial blue type CM
4	4	2022.0104	Durchführungstülle 16 mm	Grommet 16mm
5	2	1004.0061	Zylinderschraube mit Schlitz M4x8	Slotted pan head srew M4x8
6	1	3016.1631	Betriebsartenschalter CM	Mode switch block CM
7	1	2510.530746	Arretierung für Poti Heißluft	Stop for potentiometer hot air
8	2	2510.520731	Arretierung für Poti KT und Uhr	Stop for potentiometer CT and timer
9	3	1315.0101	Kupferdichtung 6x10	Copper washer 6x10 mm
10	1	5012.0556	Dichtung für Bedienblende	Front panel gasket
11	1	1005.2000	Sperrzahnschraube M5x8	Interlocking tooth screw M5x8



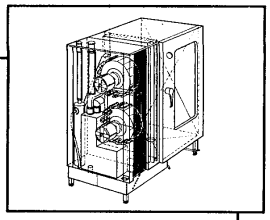
Control Panel

Component Group	Page	Edition	applicable from Serial No.
1	**1.2**	**1.2.1**	**20M 87 09 1001**



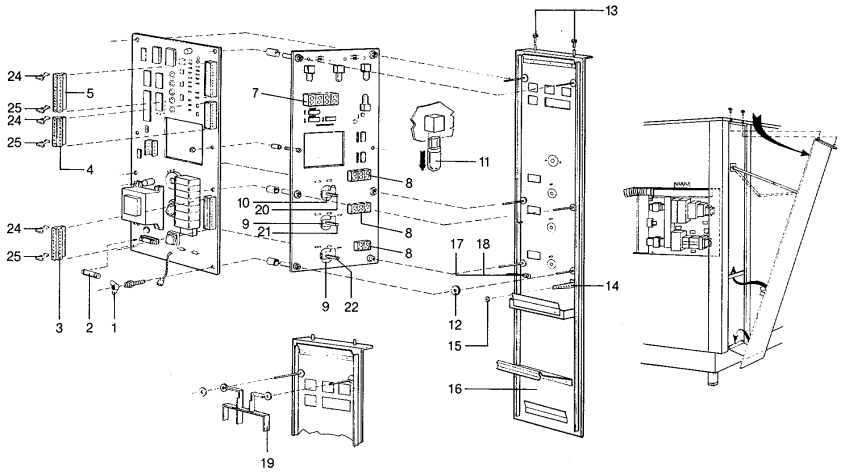
Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	3040.0100	PCB – complete (pos 1 – 7)	
1	1	3040.0152	PCB – core temperature (pos 2,3,4)	
2	5	3040.0170	LED-display	
3	1	3040.0161	flat cable	
4	6	3040.0180	gasket	
5	1	3019.0111	fuse 0,25 A	F4
6	4	3040.0171	LED-display	
7	4	3024.0210	bulb	
8	6	1104.0500	wing nut M4	
9	2	2022.0100	gasket	
10	2	3040.0164	clip for multipoint connector right	
11	2	1106.0160	hex nut M6	
12	1	1206.0120	toothed lock washer A 6,4	
14	1	8600.0102	front panel	
16	1	3040.0162	multipoint connector BL13	
17	1	3040.0163	multipoint connector BL14	
18	1	3040.0160	multipoint connector BL9	
19	2	1005.2000	safety screw	
20	2	3040.0191	clip for multipoint connector left	

RATIONAL **Combi-Master** **CM 20**



Control Panel

Component Group	Page	Edition	applicable from Serial No.
1	**1.2**	**1.2.2**	**20M 89 04 1049**



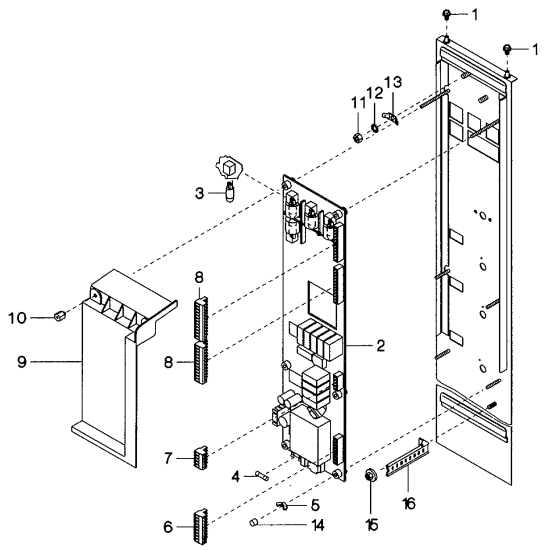
Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	3040.0110	PCB – complete (pos. 1–8)	
1	6	1104.0500	wing nut M4	
2	1	3019.0111	fuse 0,25 A	
3	1	3040.0160	multipoint connector BL9	
4	1	3040.0165	multipoint connector BL8	
5	1	3040.0166	multipoint connector BL11	
7	4	3040.0171	LED-display	
8	8	3040.0170	LED-display	
9	2	2510.520731	stop for poti core temp./timer	
10	1	2510.530746	stop for hot air	
11	4	3024.0210	bulb	
12	6	2022.0100	gasket	
13	2	1005.2000	safety screw	
14	1	2020.0401	cable clamp	
15	1	1105.0122	hex combi nut M5	
16	1	8600.01020489	front panel	
17	2	1106.0160	hex nut M6	
18	1	1206.0120	toothed lock washer	
19	1	2024.0100	plastic lamp dome	
20	1	3040.0181	poti for hot air	Koch
21	1	3040.0182	poti for timer	Koch
22	1	3040.0183	poti for core temp.	Koch
20	1	3040.0188	poti plug hot air	Koch
21	1	3040.0189	poti plug timer	Koch
22	1	3040.0190	poti plug core temp.	Koch
20	1	3040.0184	poti for hot air	EGO
21	1	3040.0185	poti for timer	EGO
22	1	3040.0186	poti for core temp.	EGO
24	3	3040.0191	clip for multipoint connector left	
25	3	3040.0164	clip for multipoint	

connector right

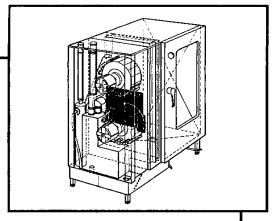
Combi-Steamer CM 20

Control Panel

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**1**	**1.2**	**1.2.3**	**20M91042001**

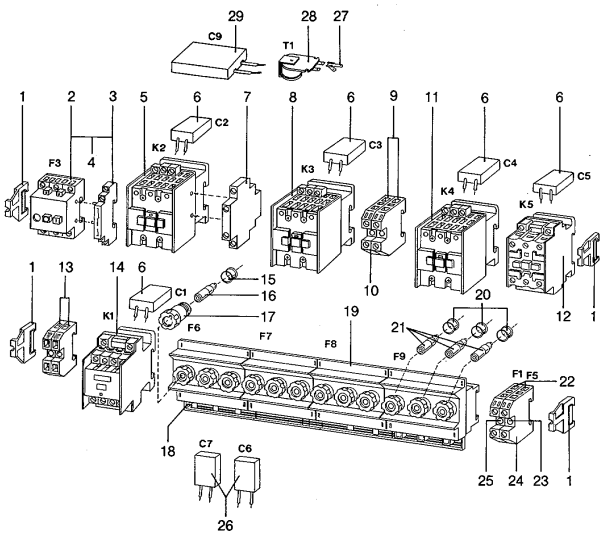


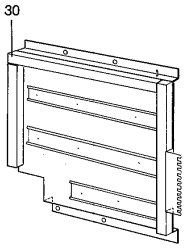
Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	2	1002.2000	safety screw M5x8	
2	1	3040.2030	PCB complete	
3	4	3024.0210	bulb	
4	1	3019.0116	fuse 0,125A	F6
5	6	1104.0500	wing-nut M4	
6	1	3040.0160	multipoint connector BL9	
7	1	3040.0195	multipoint connector BL5	
8	2	3040.0199	multipoint connector BL12	
9	1	2039.0317	cover for pcb	
10	1	1116.0101	sleeve nut	
11	1	1106.0160	hex nut M6	
12	1	1206.0120	toothed lock washer A6,4	
13	1	4002.0110	cable shoe junction	
14	1	1409.0100	spacer	
15	1	1005.0122	hex-combi-nut M5	
16	1	2020.0401	cable assy holder	

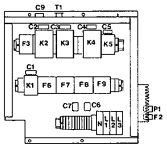


Electrical Installation

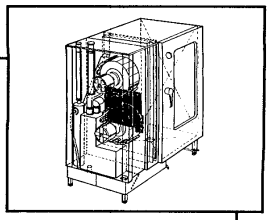
Component Group	Page	Edition	applicable from Serial No.
2	**2.1**	**2.1.1**	**20M 87 09 1001**





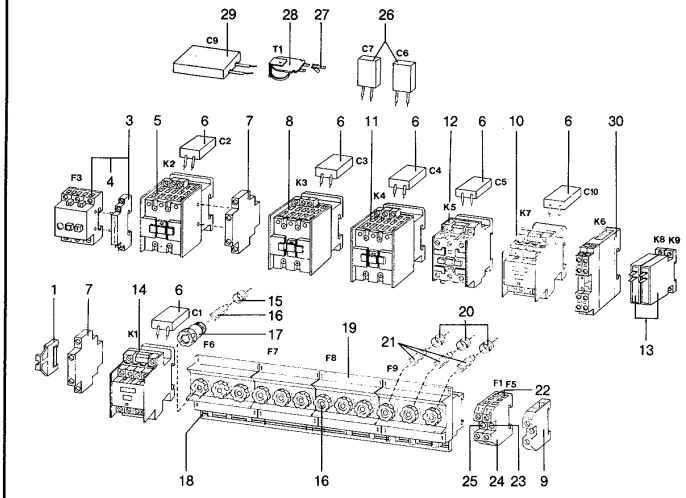


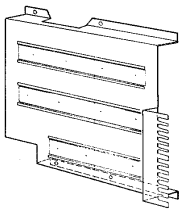
Pos.	Pcs.	Sp. Part No.	Description	Sign
1	4	4001.1203	end plate	
2	–	3031.0107	motor protector	
3	–	3031.0102	auxiliary contact for F3	
4	1	3031.0103	motor protector with auxiliary contact	F3
5	1	3028.0102	contactor for hot air heating	K2
6	5	3035.0514	RC-link	C1-C5
7	3	3028.0150	auxiliary contact for K2	K2
8	1	3028.0102	contactor for hot air heating	K3
9	2	4001.1252	terminal block 35 mm²	
10	1	4001.1220	connecting angle for 35 mm²	
11	1	3028.0102	contactor for steam generator heating	K4
12	1	3028.0101	contactor for steam generator heating	K5
13	2	4001.1176	multi connector	
14	1	3028.0100	motor contactor	K1
15	9	4001.1241	insert 50 A	
16	9	3019.0404	fuse 50 A	
17	12	4001.1235	screw cap	
18	1	4001.1211	multiple rail block 250 mm long	
19	4	4001.1234	fuse holder block	
20	3	4001.1240	insert 35 A	
21	3	3019.0403	fuse 35 A	
22	2	4001.1228	fuse holder	F1,F5
23	1	3019.0400	fuse 0,5 A	F5
24	1	4001.1227	end plate	
25	1	3019.0120	fuse 2 A	F1
26	2	3035.0508	RC-link	C6,C7
27	2	4002.0103	branch terminal	
28	1	3006.0101	buzzer	T1
29	2	3035.0509	RC-link	
30	1	4006.0701	cable shaft	

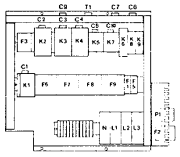


Electrical Installation

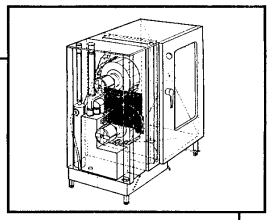
Component Group	Page	Edition	applicable from Serial No.
2	**2.1**	**2.1.2**	**20M 88 06 1066**





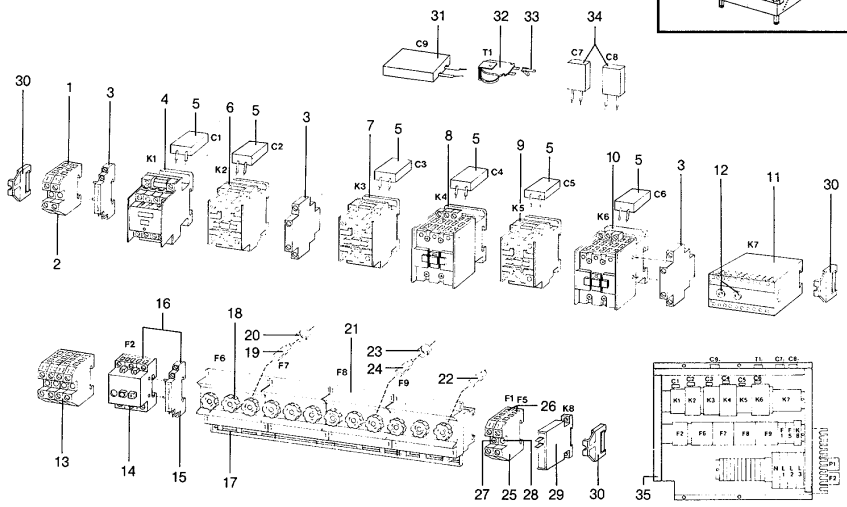


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	4	4001.1203	end plate	
3	–	3031.0102	auxiliary contact for F3	
4	1	3031.0108	motor protector with auxiliary contact	F3
5	1	3028.0102	contactor for hot air heating	K2
6	5	3035.0514	RC-link	C1-C5 /C10
7	3	3028.0150	auxiliary contact for K2	K2
8	1	3028.0102	contactor for hot air heating	K3
9	2	4001.1252	terminal block blue	
10	1	3028.0103	contactor for motor brake	K7
11	1	3028.0102	contactor for steam generator heating	K4
12	1	3028.0101	contactor for steam generator heating	K5
13	2	3035.0453	time relay	K8,K9
14	1	3028.0100	motor contactor	K1
15	9	4001.1241	insert 50 A	
16	9	3019.0404	fuse 50 A	
17	12	4001.1235	screw cap	
18	1	4001.1211	multiple rail block 250 mm long	
19	4	4001.1234	fuse holder block	
20	3	4001.1240	insert 35 A	
21	3	3019.0403	fuse 35 A	
22	2	4001.1228	fuse holder	F1,F5
23	1	3019.0400	fuse 0,5 A	F5
24	1	4001.1227	end plate	
25	1	3019.0120	fuse 2 A	F1
26	2	3035.0508	RC-link	C6,C7
27	2	4002.0103	branch terminal	
28	1	3006.0101	buzzer	T1
29	2	3035.0509	RC-link	
30	1	3035.0402	time relay	K6
31	1	4006.0701	cable shaft	

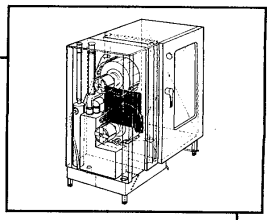


Electrical Installation

Component Group	Page	Edition	applicable from Serial No.
2	**2.1**	**2.1.3**	**20M 89 041049**

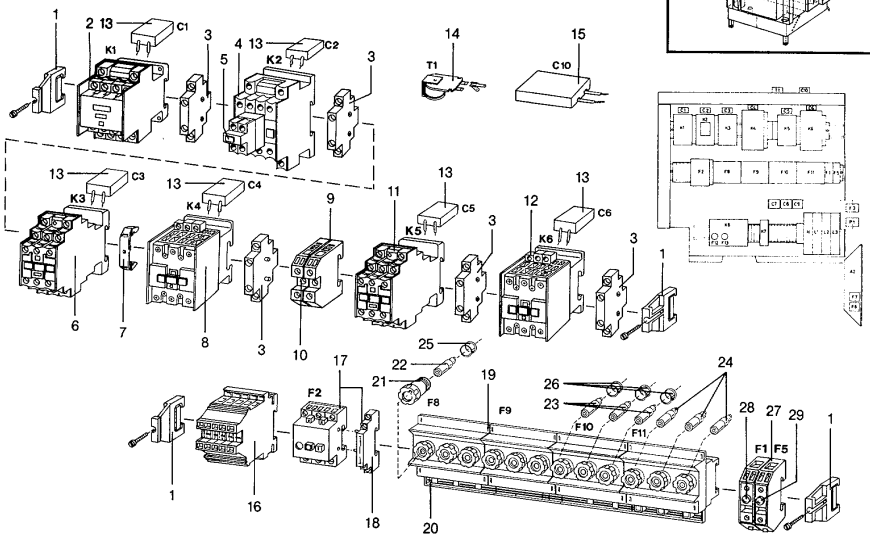


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	2	4001.1252	terminal block grey 35mm²	
2	1	4001.1220	connecting angle for 35mm	
3	3	3028.0150	auxiliary contact for K2	K2
4	1	3028.0100	motor contactor	K1
5	6	3035.0514	RC-link	C1-C5 /C10
6	1	3028.0101	contactor for hot air heating	K2
7	1	3028.0101	contactor for hot air heating	K3
8	1	3028.0102	contactor for hot air heating	K4
9	1	3028.0101	contactor for steam generator heating	K5
10	1	3028.0102	contactor for steam generator heating	K6
11	1	3031.0201	electronic motor brake	K7
12	2	3019.0300	fuse 10 A	F10/ F11
13	5	4001.1202	terminal block grey 16mm²	
14				
15	–	3031.0102	auxiliary contact for F3	
16	1	3031.0108	motor protector with auxiliary contact	F3
17	1	4001.1211	multiple rail block 320 mm long	
18	12	4001.1235	screw cap	
19	6	3019.0404	fuse 50 A	
20	6	4001.1241	insert 50 A	
21	4	4001.1234	fuse holder block	
22	3	3019.0405	fuse 63 A	F9
23	3	4001.1239	insert 25 A	
24	3	3019.0402	fuse 25A	F8
25	1	4001.1227	end plate	
26	2	4001.1228	fuse holder	F1,F5
27	1	3019.0120	fuse 2A	F1
28	1	3019.0400	fuse 0,5A	F5
29	1	3035.0404	time relay	K3
30	2	4001.1203	end plate	
31	1	3035.0509	RC-link	C9
32	1	3006.0101	buzzer	T1
33	2	4002.0103	branch terminal	
34	2	3035.0508	RC-link	C7,C8
35	1	4006.0701	cable shaft	



Electrical Installation

Component Group	Page	Edition	applicable from Serial No.
2	**2.1**	**2.1.4**	**20M 89 10 4001**

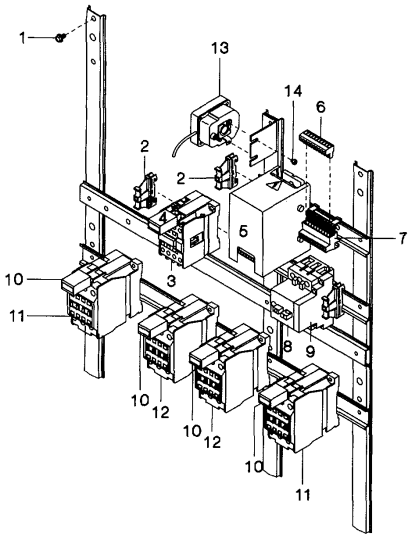


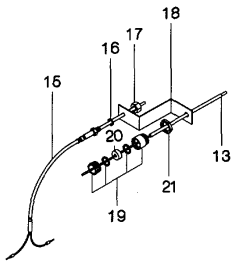
Pos.	Pcs.	Sp. Part No.	Description	Sign
1	4	4001.1203	end plate	
2	1	3028.0100	contactor for motor	K1
3	5	3028.0150	auxiliary contact for contactor	
4	1	3028.0101	contactor for hot air heating	K2
5	1	3028.0151	auxiliary contact for contactor K2	
6	1	3028.0101	contactor for reheating and hot air heating	K3
7	1	4001.1174	busbar carrier	
8	1	3028.0102	contactor for reheating and hot air heating	K4
9	2	4001.1252	terminal block blue 35 mm²	
10	1	4001.1220	assembly angle	
11	1	3028.0101	contactor for reheating and steam generator heating	K5
12	1	3028.0101	contactor for steam generator heating	K6
13	6	3035.0514	RC-link	C1-C6
14	1	3006.0101	alarm buzzer	T1
15	1	3035.0509	RC-link for alarm buzzer	C10
16	5	4001.1209	terminal block grey 16 mm²	
17	1	3031.0108	motor protector with auxiliary contact	F2
18	–	3031.0102	auxiliary contact for motor protector F2	
19	4	4001.1234	fuse holder block	F8-F11
20	1	4001.1211	multiple rail block	
21	12	4001.1235	screw cap	

Pos.	Pcs.	Sp. Part No.	Description	Sign
22	6	3019.0404	fuse 50 A	F8,F9
23	3	3019.0402	fuse 25 A	F10
24	3	3019.0405	fuse 63 A	F11
25	6	4001.1241	insert 50 A	
26	3	4001.1239	insert 25 A	
27	2	4001.1228	fuse holder	F1,F5
28	1	3019.0120	fuse 2 A	F1
29	1	3019.0400	fuse 0,5 A	F5

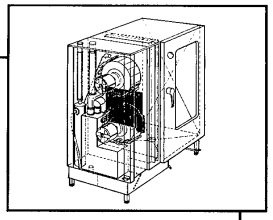
Electrical Installation

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**2**	**2.1**	**2.1.5**	**20M91042001**



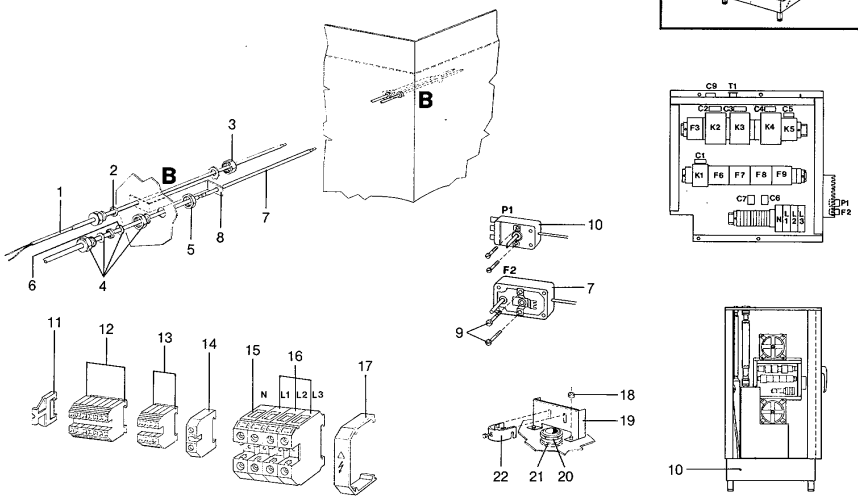


Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	8	1005.2000	safety screw M5x8	
2	5	4001.1203	end plate	
3	1	3028.0507	motor contactor	K2
4	1	3035.0516	varistor	VR
5	1	3031.0201	motor brake	K6
-	2	3019.0300	fuse 10A	F12,F13
6	1	3040.0178	plug-in module BL10	
7	1	3040.0177	multipoint connector BL10	
8	1	3031.0108	motor protector cpl.	F3
9	-	3031.0102	auxiliary contact for motor protector F3	
10	4	3035.0515	RC-link	C1-C4
11	2	3028.0512	contactor hot air	K3,K3.1
12	2	3028.0512	contactor steam generator	K4,K4.1
13	1	3014.0310	bi-limit safety thermostat 360°C	F4
14	2	1004.0060	slotted pan head screw M4x4	
15	1	3014.0151	interior cabinet sensor	E4
16	1	1315.0101	copper washer	
17	1	1106.0160	hex nut M6	
18	1	2520.400212	holding angle	
19	1	2022.0100	gasket	
20	1	4007.0600	cable connection PG9	
21	1	4007.0601	hex nut PG9	

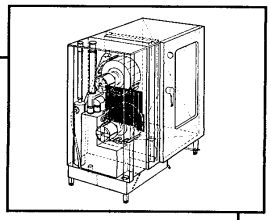


Electrical Installation

Component Group	Page	Edition	applicable from Serial No.
2	2.2	2.2.1	20M 87 09 1001

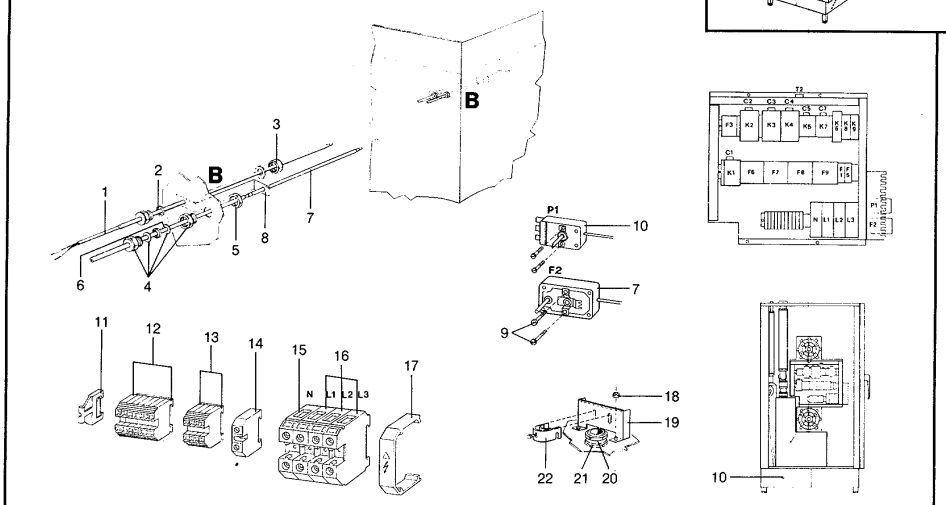


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	3014.0151	sensor interior cabinet	B1
2	1	1315.0101	copper washer	
3	1	1106.0160	hex nut M6	
4	1	4007.0600	cable connection PG9	
5	1	4007.0601	lock nut for cable connection PG9	
6	1	2022.0100	gasket	
7	1	3014.0310	bi-limit safety thermostat	F2
8	1	2520.400212	holder for thermostat	
9	4	1004.0060	slotted pan head screw	
10	1	3014.0312	thermostat quenching system	P1
11	1	4001.1203	end plate	
12	7	4001.1177	multi connector	
13	4	4001.1176	multi connector	
14	1	4001.1233	terminal block yellow/green 35 mm²	
15	1	4001.1253	terminal block blue 70 mm²	
16	3	4001.1229	terminal block grey 70 mm²	
17	4	4001.1231	cover	
18	2	1106.0801	combi-nut	
19	1	2510.180152	bracket	
20	1	4007.0602	cable connection PG36	
21	1	4007.0603	lock nut PG36	
22	1	4006.0410	tension release	



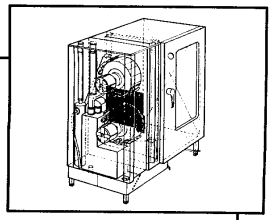
Electrical Installation

Component Group	Page	Edition	applicable from Serial No.
2	**2.2**	**2.2.2**	**20M 88 06 1066**



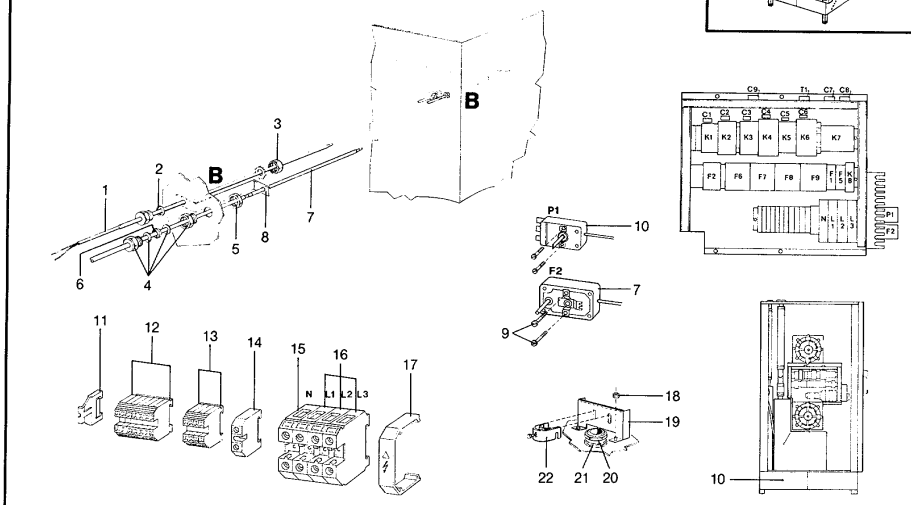
Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	3014.0151	sensor interior cabinet	B1
2	1	1315.0101	copper washer	
3	1	1106.0160	hex nut M6	
4	1	4007.0600	cable connection PG9	
5	1	4007.0601	lock nut for cable connection PG9	
6	1	2022.0100	gasket	
7	1	3014.0310	bi-limit safety thermostat	F2
8	1	2520.400212	holder for thermostat	
9	4	1004.0060	slotted pan head screw	
10	1	3014.0312	thermostat quenching system	P1
11	1	4001.1203	end plate	
12	7	4001.1177	multi connector	
13	4	4001.1176	multi connector	
14	1	4001.1233	terminal block yellow/green 35 mm²	
15	1	4001.1253	terminal block blue 70 mm²	
16	3	4001.1229	terminal block grey 70 mm²	
17	4	4001.1231	cover	
18	2	1106.0801	combi-nut	
19	1	2510.180152	bracket	
20	1	4007.0602	cable connection PG36	
21	1	4007.0603	lock nut PG36	
22	1	4006.0410	tension release	

RATIONAL **Combi-Master** **CM 20**

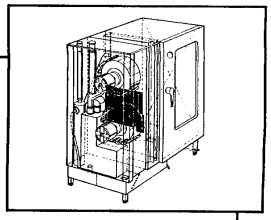


Electrical Installation

Component Group	Page	Edition	applicable from Serial No.
2	**2.2**	**2.2.3**	**20M 89 04 1049**

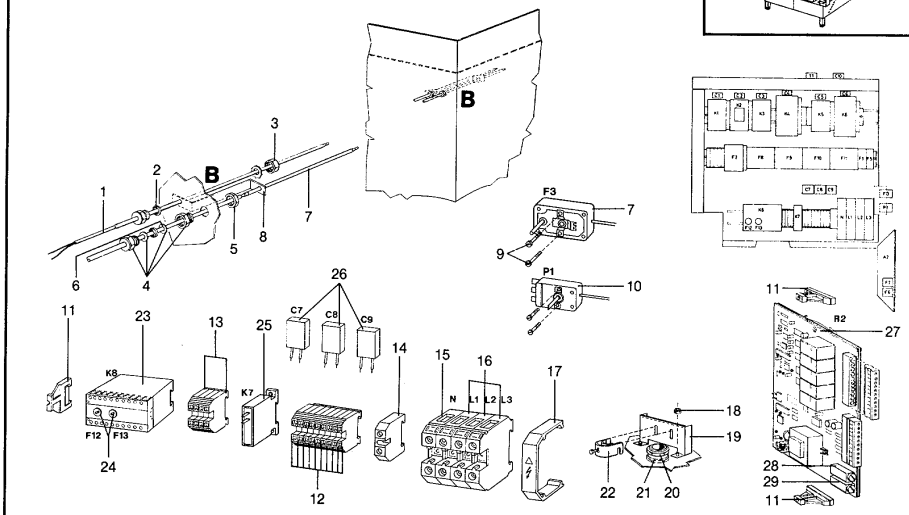


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	3014.0151	sensor interior cabinet	B1
2	1	1315.0101	copper washer	
3	1	1106.0160	hex nut M6	
4	1	4007.0600	cable connection PG9	
5	1	4007.0601	lock nut for cable connection PG9	
6	1	2022.0100	gasket	
7	1	3014.0310	bi-limit safety thermostat	F2
8	1	2520.400212	holder for thermostat	
9	4	1004.0060	slotted pan head screw	
10	1	3014.0312	thermostat quenching system	P1
11	1	4001.1203	end plate	
12	7	4001.1177	multi connector	
13	4	4001.1176	multi connector	
14	1	4001.1233	terminal block yellow/green 35 mm²	
15	1	4001.1253	terminal block blue 70 mm²	
16	3	4001.1229	terminal block grey 70 mm²	
17	4	4001.1231	cover	
18	2	1106.0801	combi-nut	
19	1	2510.180152	bracket	
20	1	4007.0602	cable connection PG36	
21	1	4007.0603	lock nut PG36	
22	1	4006.0410	tension release	



Electrical Installation

Component Group	Page	Edition	applicable from Serial No.
2	**2.2**	**2.2.4**	**20M 89 10 4001**

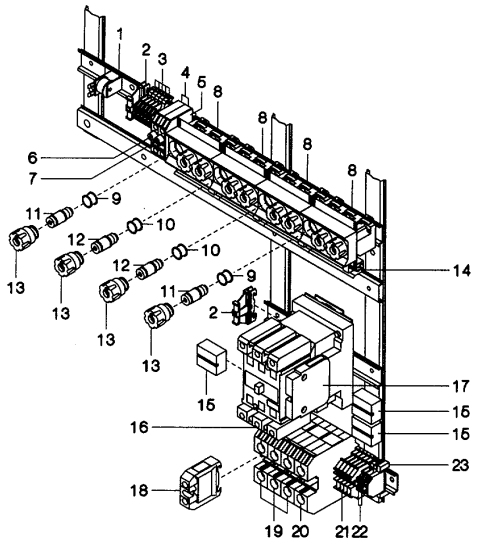


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	3014.0151	sensor interior cabinet	B1
2	1	1315.0101	copper washer	
3	1	1106.0160	hex nut M6	
4	1	4007.0600	cable connection PG9	
5	1	4007.0601	lock nut for cable connection PG9	
6	1	2022.0100	gasket	
7	1	3014.0310	bi-limit safety thermostat	F3
8	1	2520.400212	holder for thermostat	
9	4	1004.0060	slotted pan head screw	
10	1	3014.0312	thermostat quenching system	P1
11	3	4001.1203	end plate	
12	9	4001.1177	multi connector	
13	4	4001.1176	multi connector	
14	1	4001.1233	terminal block yellow/green 35 mm²	
15	1	4001.1253	terminal block blue 70 mm²	
16	3	4001.1229	terminal block grey 70 mm²	
17	4	4001.1231	cover	
18	2	1106.0801	hex-combi-nut M6	
19	1	2510.180152	bracket	
20	1	4007.0602	cable connection PG36	
21	1	4007.0603	lock nut PG36	
22	1	4006.0410	tension release	
23	1	3031.0201	electronic motor brake	K8
24	2	3019.0300	Feinsicherung 10 A	F12, F13
25	1	3035.0404	time relay 1 sec. start delay	K7
26	3	3035.0508	RC-link	C7-C9

Pos.	Pcs.	Sp. Part No.	Description	Sign
27	1	3040.3100ET	level control pcb	A2
28	1	3019.0130	fuse 0,315 A	F6
29	1	3019.0110	fuse 0,1 A	F7

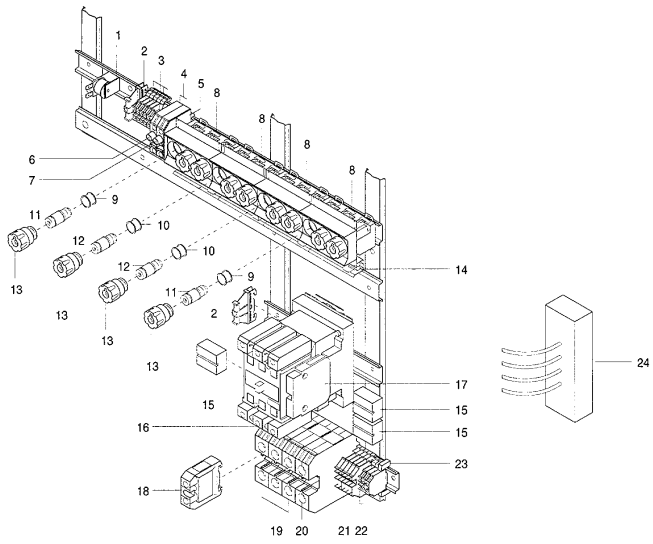
Electrical Installation

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**2**	**2.2**	**2.2.5**	**20M91042001**

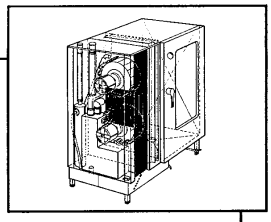


Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	1	3006.0101	alarm buzzer	T1
2	2	4001.1203	end plate	
3	5	4001.1216	terminal block 4mm² grey	
4	2	4001.1228	fuse holder	F1,F2
5	1	4001.1227	cover for fuse holder	
6	1	3019.0120	fuse 2A	F1
7	1	3019.0400	fuse 0,5A	F2
8	4	4001.1234	fuse holder block	F8-F11
9	6	4001.1241	insert 50A	
10	6	4001.1240	insert 35A	
11	6	3019.0404	fuse 50A	F8,F9
12	6	3019.0403	fuse 35A	F10,F11
13	12	4001.1235	screw cap	
14	1	4001.1211	multiple rail block	
15	3	3035.0508	RC-link	C5-C7
16	1	3028.0515	main contactor	K1
17	1	3028.0520	auxiliary contact for contactor K1	
18	1	4001.1233	terminal earth 35mm²	
19	1	4001.1253	terminal block 70mm² blue	
20	1	4001.1229	terminal block 70mm² grey	
21	5	4001.1176	plug-in termination	
22	2	4001.1216	terminal block 4mm² grey	
23	1	4001.1222	terminal earth 4mm²	

Elektromontageplatte **Electrical installation**	Spannung Voltage	Baugruppe Group	Ausgabe Edition	gültig ab Seriennummer Applicable from Serial.No.
	3 N AC 400V 50Hz	2	2.2.6	20M96011001

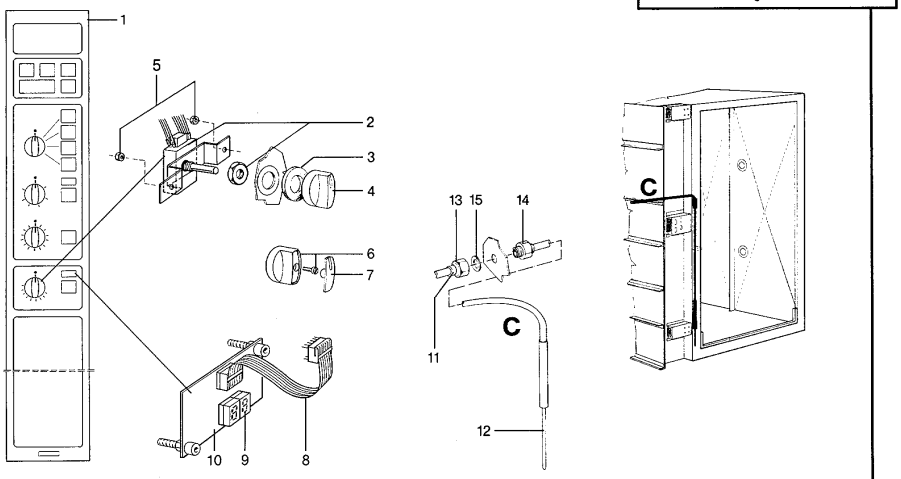


Pos.	St.	Ersatzt.Nr. Sp. Part No.	Bezeichnung	Description
1	1	3006.0101	Alarmsummer, 230 V	Buzzer, 230 V
2	2	4001.1203	Endklammer für Tragschiene	End plate for mounting rail
3	5	4001.1216	Reihenklemme 4qmm grau	Terminal 4sqmm grey
4	2	4001.1228	Reihen-Sicherungsklemme	Fuse holder terminal block
5	1	4001.1227	Endplatte für Reihen-Sicherungsklemme	End plate for fuse holder
6	1	3019.0120	Feinsicherung 5x20 2,0A	Fuse 2A
7	1	3019.0400	Feinsicherung 5x20 0,5A	Fuse 0,5A
8	4	4001.1234	Einbausicherungssockel 3Ph63A,Typ NEOZED	Fuse holder block 3-pol type neozed 63 A
9	6	4001.1241	Paßeinsatz 50A	Insert adapter 50A for NEOZED fuse
10	6	4001.1240	Paßeinsatz 35A	Insert adapter 35A for NEOZED fuse
11	6	3019.0404	Sicherung Neozed 50A	Fuse neozed 50A
12	6	3019.0403	Sicherung Neozed 35A	Fuse neozed 35A
13	12	4001.1235	Schraubkappe Neozed 63 A	Screw cap type neozed 63 A
14	1	4001.1211	Sammelschienenblock für Sicherungen 250 mm	Three phase bus bar for neozed fuse
15	3	3035.0508	RC-Glied Magnetventil	RC-link solenoid valve
16	2	3028.0515	Schütz LS 57.00 200-240V 50Hz	Contactor LS 57.00 200-240V 50Hz
17	1	3028.0520	Hilfskontakt HS 107 für Schütz LS 47 - LS 57	Auxiliary contact switch HS 17.01
18	1	4001.1233	Erdungsklemmen 35qmm gelb-grün	Terminal block yellow/green 35qmm
19	3	4001.1229	Reihenklemme 70qmm grau	Terminal block 70qmm
20	1	4001.1253	Reihenklemme 70qmm blau	Terminal block, blue 70 qmm
21	5	4001.1176	Reihenverteiler	Terminal block plug type
22	2	4001.1216	Reihenklemme 4qmm grau	Terminal 4sqmm grey
23	1	4001.1222	Erdungsklemme 4qmm	Terminal block yellow/green 4 qmm
24	1	3001.0452	Entstörfilter	Electronic noise filter

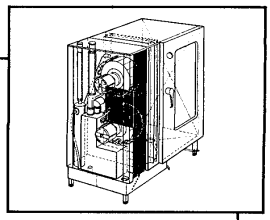


Core Temperature / Meat Probe

Component Group	Page	Edition	applicable from Serial No.
3	**3.1**	**3.1.1**	**20M 87 09 1001**

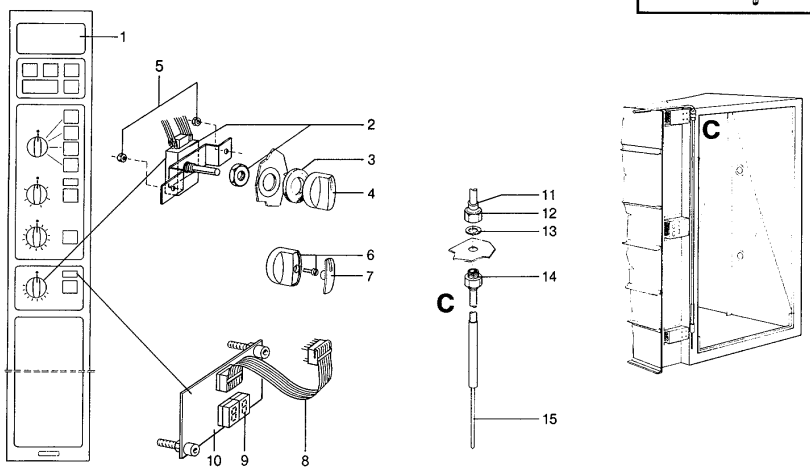


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	2049.0613	control panel	
2	1	3040.0151	poti for core temp.	S4,R2
3	1	5012.0530	gasket	
4	1	3013.0329	dial complete	
5	1	1106.0801	hex combi nut M6	
6	1	3013.0326	dial	
7	1	3013.0328	dial-cover	
8	1	3040.0161	flat cable	
9	2	3040.0170	LED-display	
10	1	3040.0152	PCB – core temperature (pos 8,9,10)	
11	1	2066.0508	hose clamp	
12	1	3035.0703	meat probe sensor	B4
13	1	3014.0306	hex nut for stuffing box	
14	1	3014.0307	stuffing box	
15	1	3035.0606	copper washer	

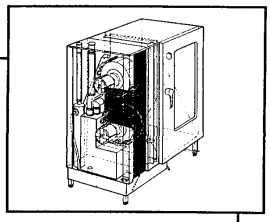


Core Temperature / Meat Probe

Component Group	Page	Edition	applicable from Serial No.
3	**3.1**	**3.1.2**	**20M 88 06 1066**

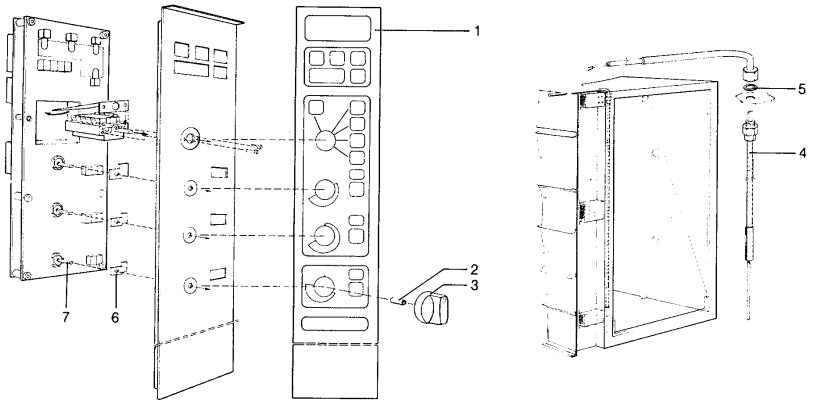


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	2049.0613	control panel	
2	1	3040.0151	poti for core temp.	S4,R2
3	1	5012.0530	gasket	
4	1	3013.0329	dial complete	
5	2	1106.0801	hex combi nut	
6	1	3013.0326	dial	
7	1	3013.0328	dial-cover	
8	1	3040.0161	flat cable	
9	2	3040.0170	LED-display	
10	1	3040.0152	PCB – core temperature (pos 8,9,10)	
11	1	2066.0508	hose clamp	
12	1	3014.0306	hex nut for stuffing box	
13	1	3035.0606	copper washer	
14	1	3014.0307	stuffing box	
15	1	3035.0703	meat probe sensor	B4



Core Temperature / Meat Probe

Component Group	Page	Edition	applicable from Serial No.
3	**3.1**	**3.1.3**	**20M 89 04 1049**

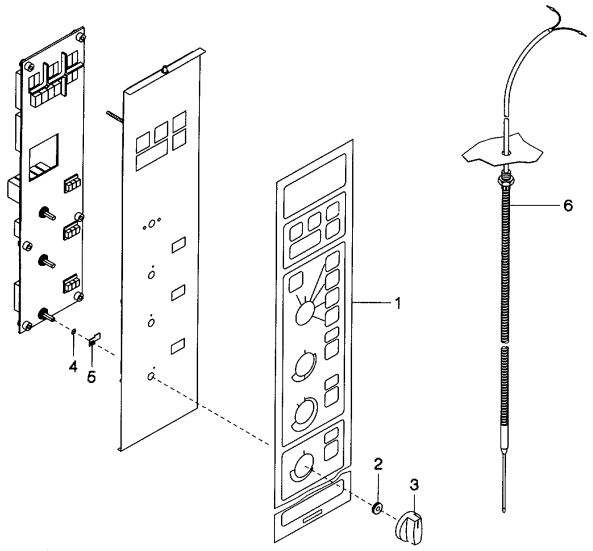


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	2049.0715	control panel	
2	1	2022.0104	bushing	
3	1	3013.0331	dial	
4	1	3035.0703	meat probe sensor	B4
5	1	3035.0606	copper washer	
6	1	2510.520731	stop for poti core temp./timer	
7	1	3040.0183	poti for core temp.	Koch
7	1	3040.0190	poti plug core temp.	Koch
7	1	3040.0186	poti for core temp.	EGO

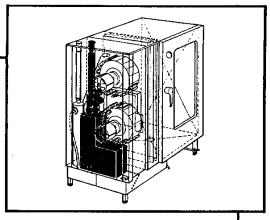
Combi-Steamer CM 20

Core Temperature / Meat Probe

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**3**	**3.1**	**3.1.4**	**20M91042001**

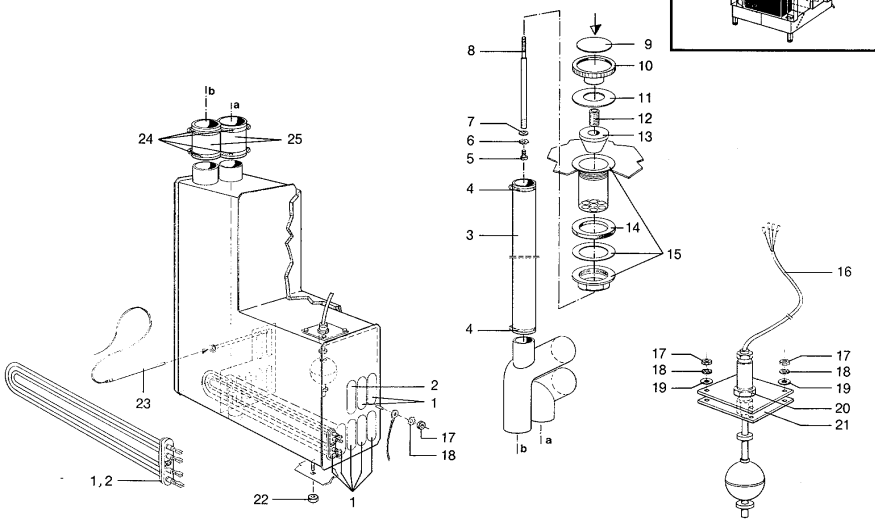


Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	1	2049.0823	control panel	
2	1	2022.0104	grommet	
3	1	3013.0330	dial	
4	1	1315.0101	copper washer	
5	1	2510.520731	stop for poti core temperature	
6	1	**3035.0703**	sensor core temperature	E1

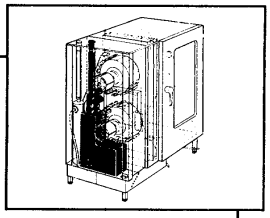


Steam Generator

Component Group	Page	Edition	applicable from Serial No.
4	**4.1**	**4.1.1**	**20M 87 09 1001**

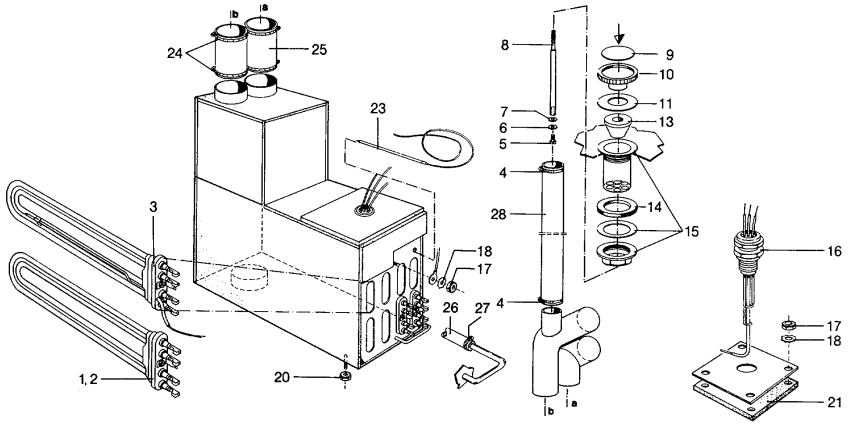


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8300.0006	steam generator complete	
–	1	8450.0200	safety valve complete (pos.5 – 15)	
1	7	3004.3405	heating element 2x3 KW	
2	1	3004.3406	heating element 2x1,5 KW	
3	1	2067.0205	steam hose 600 mm long NW 42	
4	2	2066.0504	hose clamp 40 – 60 mm	
5	1	1005.0660	hex socket head cap screw M 5x12	
6	1	1205.0360	spring washer	
7	1	1305.0260	washer A 5,3	
8	1	2026.0400	guide bar	
9	1	2049.0800	cover plate, aluminium	
10	1	2020.0300	plastic handle for safety valve	
11	1	5012.0526	gasket	
12	1	2026.0300	thread insert	
13	1	2026.0200	cone for safety valve	
14	1	5012.0527	gasket	
15	1	2064.0101	valve body	
16	1	3016.1201	level switch	S5
17	5	1106.0160	hex nut M6	
18	5	1206.0120	toothed lock washer A 6,4	
19	4	1306.0120	washer A 6,4	
20	1	2040.0101	hex nut G 3/8"	
21	1	5012.0528	gasket	
22	1	1106.0801	hex combi nut M6	
23	1	3014.0150	sensor steam generator	B3
24	4	2066.0505	hose clamp 70 – 90 mm	
25	2	2067.0401	steam hose 95 mm long	



Steam Generator

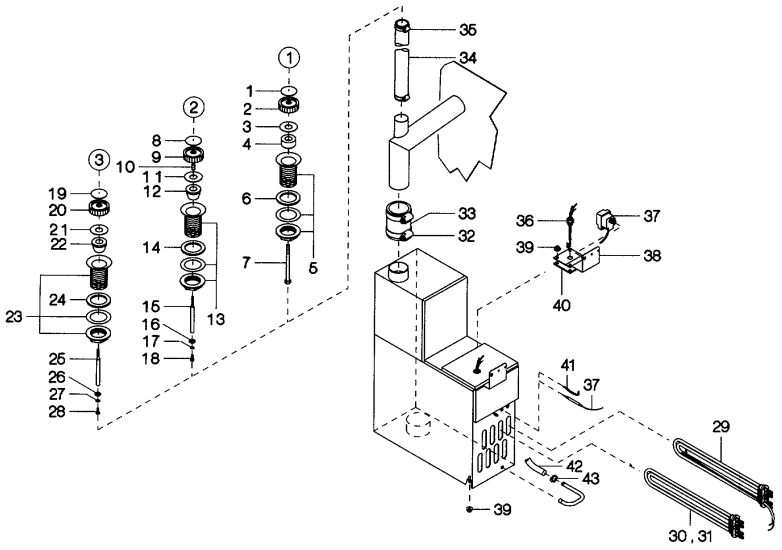
Component Group	Page	Edition	applicable from Serial No.
4	**4.1**	**4.1.2**	**20M 89 10 4001**



Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8300.0073	steam generator complete	
–	1	8450.0200	safety valve complete (pos. 5 – 15)	
1	7	3004.3405	heating element 2x3 KW	
2	1	3004.4306	heating element 2x1,5 KW	
3	1	3004.4307	heating element 2x3 KW with thermocouple	
4	2	2066.0504	hose clamp 40 – 60 mm	
5	1	1005.0660	hex socket head cap screw M 5x12	
6	1	1205.0360	spring washer	
7	1	1305.0260	washer A 5,3	
8	1	2026.0400	guide bar	
9	1	2049.0800	cover plate, aluminium	
10	1	2020.0300	plastic handle for safety valve	
11	1	5012.0526	gasket	
13	1	2026.0200	cone for safety valve	
14	1	5012.0527	gasket	
15	1	2064.0101	valve body	
16	1	3002.0402	filling-level electrode 90 mm	
17	5	1106.0160	hex nut M6	
18	5	1206.0120	toothed lock washer A 6,4	
20	1	1106.0801	hex-combi-nut M6	
21	1	5012.0537	gasket	
23	1	3014.0150	sensor steam generator B3	
24	4	2066.0505	hose clamp 70 – 90 mm	
25	2	2067.0401	steam hose 95 mm long	
26	1	2067.0128	pressure hose	
27	1	2066.0202	hose clamp	
28	1	2067.0205	steam hose 580 mm long	

Steam Generator

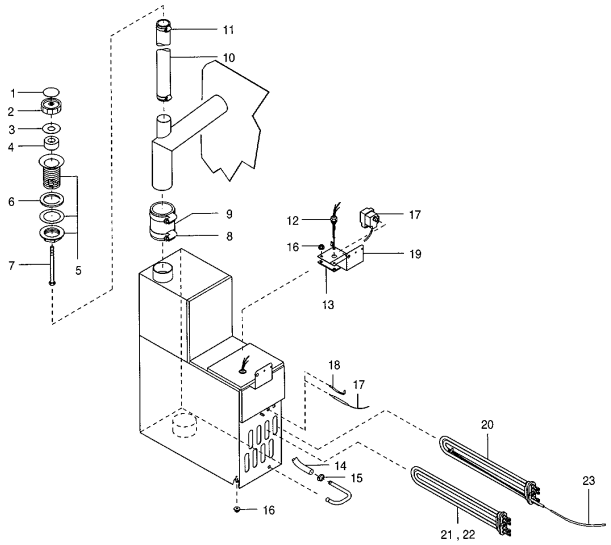
Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**4**	**4.1**	**4.1.3**	**20M91042001**



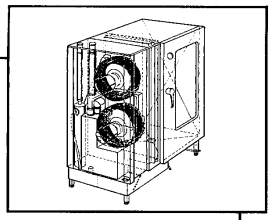
Pos.	Pcs.	Sp. Part No.	Description	Sign.
-	1	8450.0200	safety valve cpl. (version 1)	
version 1				
1	1	2049.0800	cover plate, aluminium	
2	1	2020.0301	plastic handle	
3	1	5012.0526	gasket	
4	1	2026.0201	cone	
6	1	5012.0527	gasket	
5	1	2064.0101	valve body	
7	1	1008.0764	hex screw M8x110	
version 2				
8	1	2049.0800	cover plate, aluminium	
9	1	2020.0301	plastic handle	
10	1	2026.0301	plastic insert	
11	1	5012.0526	gasket	
12	1	2026.0200	cone	
13	1	5012.0527	gasket	
14	1	2064.0101	valve body	
15	1	2026.0400	guide bar	
16	1	1305.0260	washer A5,3	
17	1	1205.0360	spring washer A5,3	
18	1	1005.0660	hex socked head screw M5x12	
version 3				
19	1	2049.0800	cover plate, aluminium	
20	1	2020.0300	plastic handle	
21	1	5012.0526	gasket	
22	1	2026.0200	cone	
24	1	5012.0527	gasket	
23	1	2064.0101	valve body	
25	1	2026.0400	guide bar	
26	1	1305.0260	washer A5,3	
27	1	1205.0360	spring washer A5,3	
28	1	1005.0660	hex socked head screw	

Pos.	Pcs.	Sp. Part No.	Description	Sign.
-	1	8300.0089	steam generator cpl.	
29	1	3004.4304	heating element 2x3kW thermocouple	
30	6	3004.4302	heating element 2x3kW	
31	1	3004.4303	heating element 2x1,5kW	
32	2	2066.0505	hose clamp 70-90mm	
33	1	2067.0401	steam hose 95mm long	
34	1	2067.0205	steam hose 580mm long	
35	2	2066.0504	hose clamp 40-60mm	
36	1	3002.0402	filling-level electrode 90mm	S4
37	1	3014.0300	protector against running dry	F5
38	1	2520.311089	holding angle	
39	5	1106.0801	hex-combi-nut M6	
40	1	5012.0537	gasket	
41	1	2544.101230	clamping plate	
42	1	2067.0128	pressure hose 420mm long	
43	1	2062.0205	hose clamp 12-18mm	

Dampfgenerator / **Steam generator**	Spannung / Voltage	Baugruppe / Group	Ausgabe / Edition	gültig ab Seriennummer / Applicable from Serial.No.
	3 N AC 400V 50Hz	4	4.1.4	20M96011001

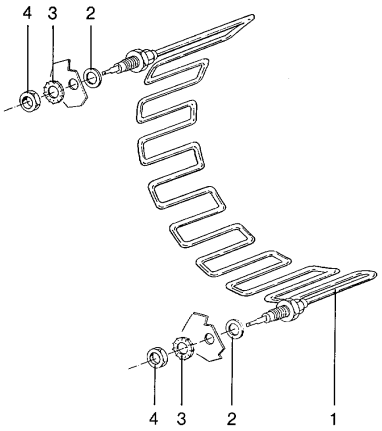


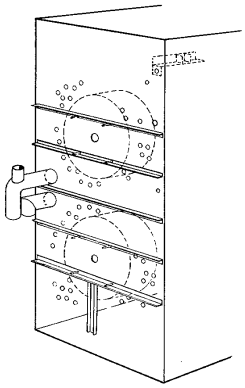
Pos.	St.	Ersatzt.Nr. Sp. Part No.	Bezeichnung	Description
-	1	8300.0089	SC-Dampfgenerator kpl.400V	SC-steam generator cpl. 400V
-	1	8450.0200	Sicherheitsventil komplett Typ 201/20	Safety valve for type 201/20
1	1	2049.0800	Alu-Deckschild für Sicherheitsventil	Cover plate aluminum for safety valve
2	1	2020.0301	Griffscheibe Sicherheitsventil	Plastic-handle for safety-valve
3	1	5012.0526	Dichtung für Sicherheitsventil	Gasket for safety valve
4	1	2026.0201	Verschlußkegel Sicherheitsventil	Cone for safety valve
5	1	2064.0101	Einfüllstutzen Typ 201/20	Safety valve housing type 201/20
6	1	5012.0527	Dichtung für Sicherheitsventilgehäuse	Gasket for safety valve housing
7	1	1008.0764	Sechskantschraube M8x110 f.Griffscheibe	Hex screw M8x110 for safety valve
8	2	2066.0505	Schlauchschelle 70-90mm	Hose clamp 70-90mm
9	1	2067.0401	Druckschlauch NW60 120mm lang	Steam hose NW60 120mm long
10	1	2067.0205	Dampfschlauch NW42 580 mm lang	Steam hose 580mm long
11	2	2066.0504	Schlauchschelle 40-60mm	Hose clamp 40-60mm
12	1	3002.0402	Füllstandselektrode 90mm Typ 101/201/20	Filling level electrode 90 mm type 101/201/20
13	1	5012.0537	Dichtung für Füllstandselektrode	Gasket for filling-level elektrode
14	1	2067.0128	Druckschlauch NW10 420 mm lang	Pressure hose 420 mm long
15	1	2066.0205	Schlauchschelle 12-18 mm	Hose clamp 12-18 mm
16	5	1106.0801	Sechskant-Combi-Mutter M6	Hex combination nut M6
17	1	3014.0300	Trockengehschutz 125°C	Dry up protector 125°C
18	1	2544.101230	Klemmblech Dampfgenerator	Clamping plate thermostat steam generator
19	1	2520.311089	Halterung für Trockengehschutz	Holder for dry up protector
20	1	3004.4157	Tauchheizkörper 2x3kW 400V mit Fühlerrohr	Heating element 2x3kW 400V with sensor pipe
21	6	3004.4302	Tauchheizkörper 2x3kW 400V	Heating element 2x3KW 400V
22	1	3004.4303	Tauchheizkörper 2x1,5kW 400V	Heating element 2x1,5kW 400V
23	1	3014.0165	Thermoelement Dampfgenerator	Thermo element steam generator



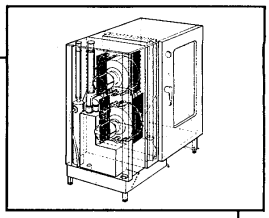
Hot Air Heating

Component Group	Page	Edition	applicable from Serial No.
5	**5.1**	**5.1.1**	**20M 87 09 1001**



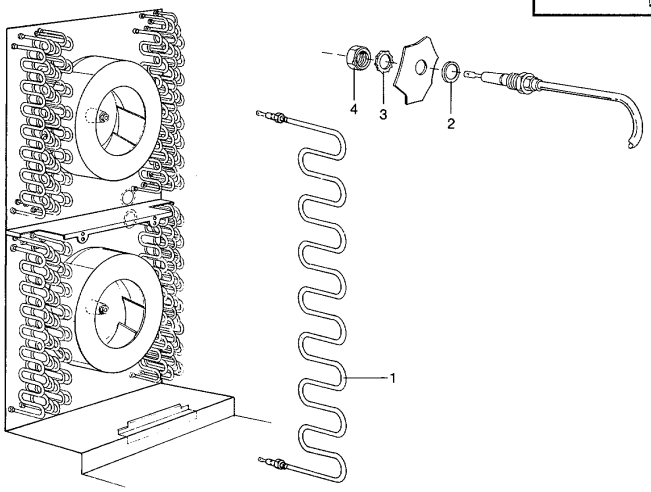


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	24	3004.1004	heating element 2,5 KW	
2	48	3004.1404	copper washer	
3	48	3004.1405	toothed lock washer	
4	48	3004.1406	hex nut M14	



Hot Air Heating

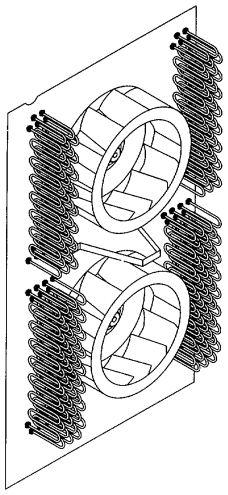
Component Group	Page	Edition	applicable from Serial No.
5	**5.1**	**5.1.2**	**20M 88 06 1066**

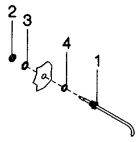


Pos.	Pcs.	Sp.	Part No.	Description	Sign
1	24		3004.1004	heating element 2,5 KW	
2	48		3004.1404	copper washer	
3	48		3004.1405	toothed lock washer	
4	48		3004.1406	hex nut M14	

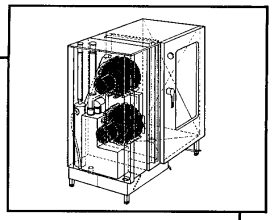
Hot Air Heating

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**5**	**5.1**	**5.1.3**	**20M91042001**



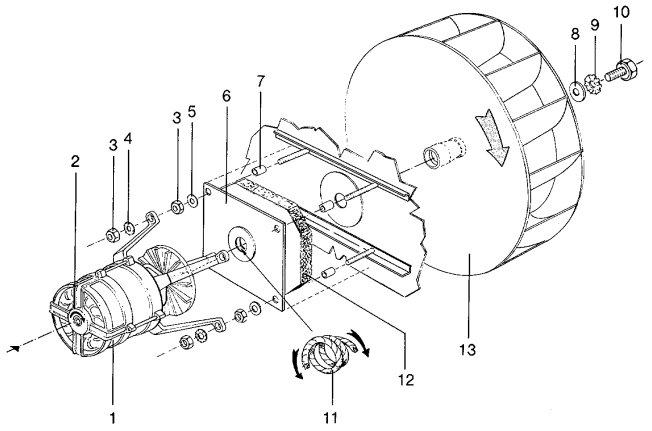


Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	24	3004.4301	heating element 2,5KW	
2	48	3004.1404	copper washer	
3	48	3004.1405	toothed lock washer	
4	48	3004.1406	hex nut M14	

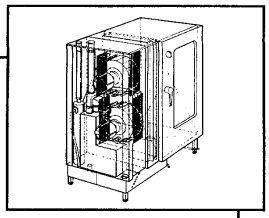


Motor and Fan Wheel

Component Group	Page	Edition	applicable from Serial No.
6	**6.1**	**6.1.1**	**20M87091001**

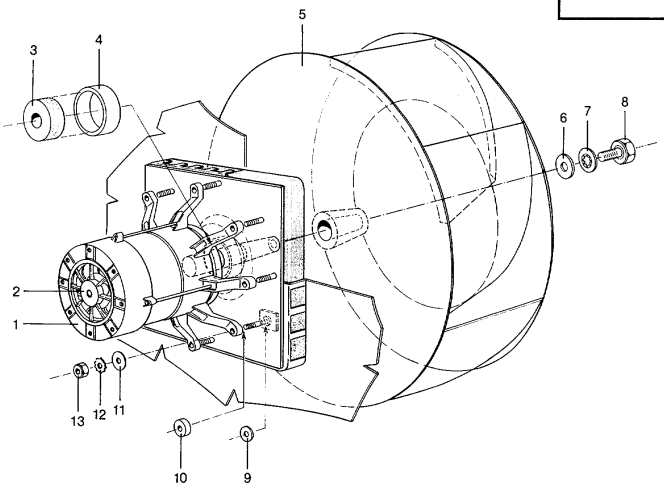


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	2	3001.0400	motor	
2	2	4019.0012	label direction of fan rotation	
3	16	1108.0260	hex nut M8	
4	16	1208.0160	toothed lock washer A 8,4	
5	8	1308.0561	washer 9 mm	
6	2	8006.8008	motor shaft packing complete	
7	8	2016.0848	spacer	
8	2	1310.0160	washer A 10,5	
9	2	1210.0160	toothed lock washer A 10,5	
10	2	1010.0760	hex screw M 10x16	
11	2	5002.0301	rope packing, greased	
12	2	5009.0101	insulation plate 200x205x20 mm	
13	2	2012.0500	fan wheel complete (with pos. 8 – 10)	



Motor and Fan Wheel

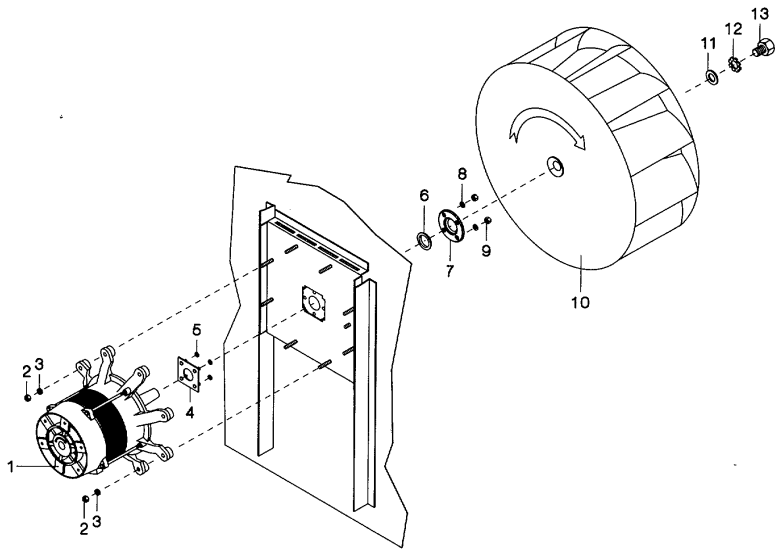
Component Group	Page	Edition	applicable from Serial No.
6	**6.1**	**6.1.2**	**20M 88 06 1066**



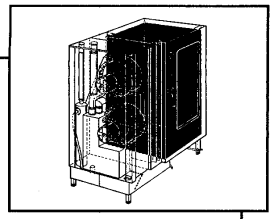
Pos.	Pcs.	Sp. Part No.	Description	Sign
1	2	3001.0428	motor _ _ _ _ _ _ _ _ _ _	from 20M89011030: 3001.0405
2	2	4019.0012	label direction of fan rotation	
3	2	2016.0856	teflon socket _ _ _ _ _ _ _	from 20M89011030: 2016.0852
4	2	2016.0853	holding ring	
5	2	2012.0510	fan wheel complete (with pos. 6–8)	
6	2	1308.0123	washer A17	
7	2	1217.0159	toothed lock washer I 16,5	
8	2	1016.0700	hex screw M 16x20	
9	16	1308.0561	washer 9 mm	
10	16	2016.0855	spacer	
11	16	1306.0221	washer A 6,4	
12	16	1206.0120	toothed lock washer A 6,4	
13	16	1106.0160	hex nut M6	

Motor and Fan Wheel

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**6**	**6.1**	**6.1.3**	**20M91042001**

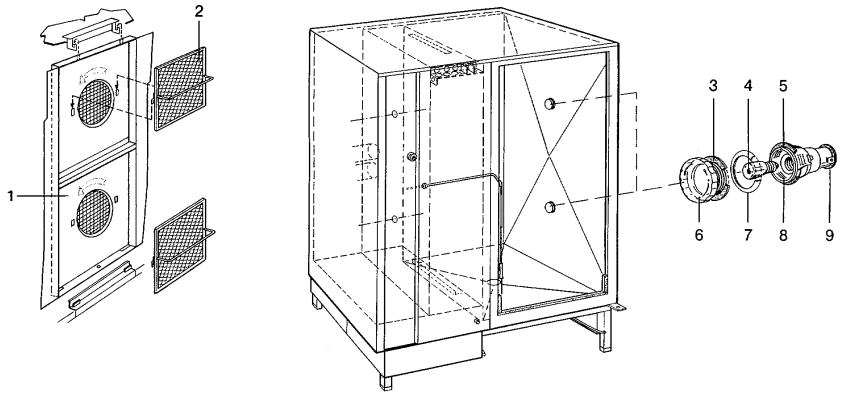


Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	2	3001.0428	motor	M1,M1.1
2	16	1106.0160	hex nut M6	
3	16	1206.0120	toothed lock washer A6,4	
4	2	8506.0103	holder plate	
5	8	1315.0101	copper washer	
6	2	5001.0211	motor gasket`	
7	2	2016.0875	gasket flange	
8	8	1306.0120	washer A6,4	
9	8	1106.0220	hex nut M6 flat	
10	2	2012.0510	fan wheel	
11	2	1308.0123	washer A17	
12	2	1217.0160	toothead lock washer A16,5	
13	2	1016.0700	hex screw M16x20	

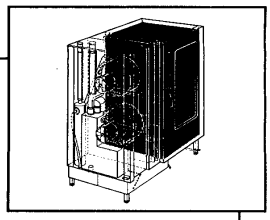


Interior Cabinet

Component Group	Page	Edition	applicable from Serial No.
7	**7.1**	**7.1.1**	**20M 87 09 1001**

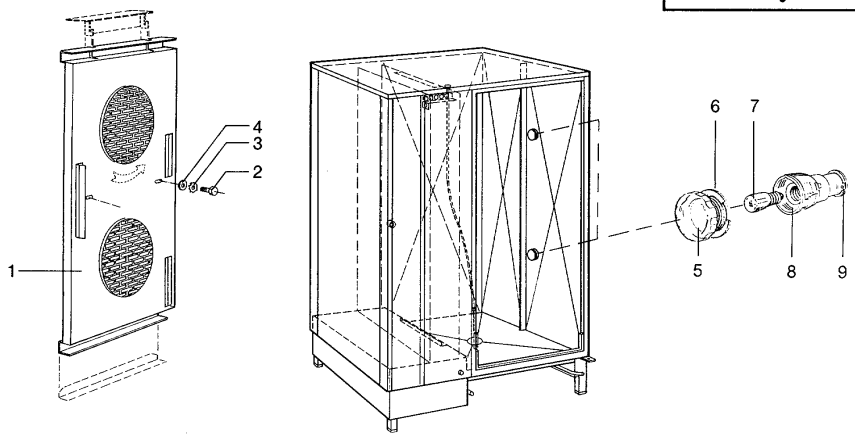


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	2	3023.0501	interior lamp, complete	
1	1	8011.1000	air baffle	
2	2	2010.0710	fat filter	
3	2	5012.0509	gasket for lamp lens	
4	2	3024.0200	bulb, heat-resistant	
5	2	5012.0508	gasket for lamp lens	
6	2	3025.0002	lamp lens	
7	2	3035.0003	metal ring	
8	2	3023.0506	socket for interior lamp	H1,H2
9	2	2580.980589	insulation paper	

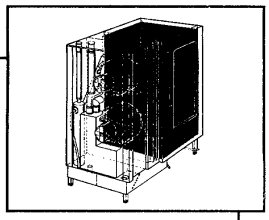


Interior Cabinet

Component Group	Page	Edition	applicable from Serial No.
7	**7.1**	**7.1.2**	**20M 88 06 1066**

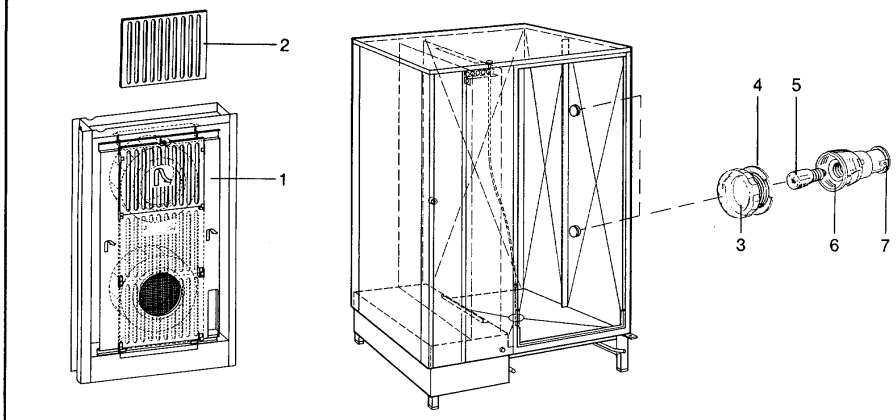


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	2	3023.0501	interior lamp complete	
1	1	8011.1100	air baffle	
2	2	1008.0763	hex screw M 8x20	
3	2	1208.0160	toothed lock washer A 8,4	
4	2	1308.0160	washer A 8,4	
5	2	3025.0002	lamp lens	
6	2	5012.0535	gasket lamp lens	
7	2	3024.0200	bulb, heat-resistant	
8	2	3023.0506	socket for interior lamp	
9	2	2580.980589	insulation paper	



Interior Cabinet

Component Group	Page	Edition	applicable from Serial No.
7	**7.1**	**7.1.3**	**20M 90 01 1019**

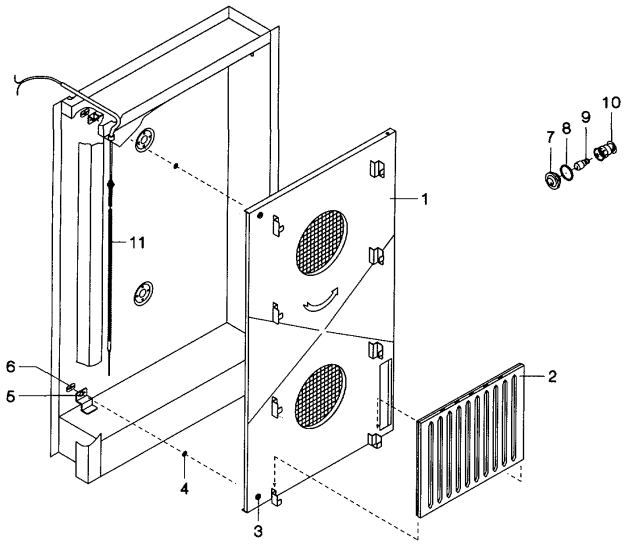


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	2	3023.0501	interior lamp complete	
1	1	8011.1102	air baffle	
1	1	8011.1103	air baffle (option)	
2	3	2010.0715	fat filter (option)	
–	1	8000.0030	retrofit kit (incl. Pos. 2)	
3	2	3025.0002	lamp lens	
4	2	5012.0535	gasket lamp lens	
5	2	3024.0200	bulb, heat-resistant	
6	2	3023.0506	socket for interior lamp	
7	2	2580.980589	insulation paper	

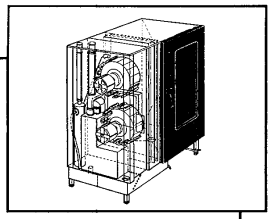
RATIONAL Combi-Steamer CM 20

Interior Cabinet

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**7**	**7.1**	**7.1.4**	**20M91042001**

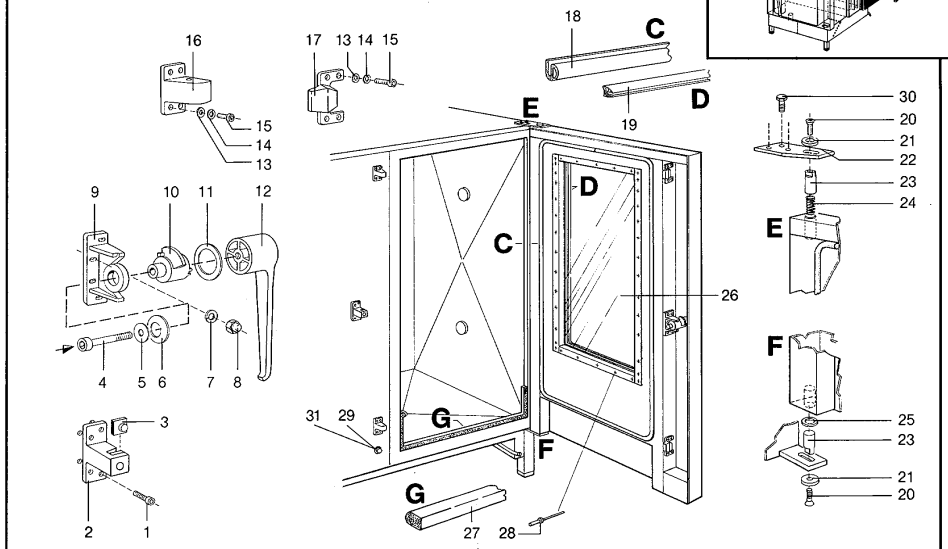


Pos.	Pcs.	Sp. Part No.	Description	Sign.
-	2	3023.0501	interior lamp cpl.	
1	1	8011.1112	air baffle cpl.	
-	1	8000.0030	retrofit kit fat filter (incl. Pos. 2)	
2	2	2010.0715	fat filter (option)	
3	2	2043.0201	locking pin	
4	2	2043.0203	holder plate for quick acting closure	
5	2	2043.0202	locking tappet	
6	4	1604.0162	rivet 4x9mm	
7	2	3025.0002	lamp lens	
8	2	5012.0535	gasket	
9	2	3024.0200	bulb, heat resistant	
10	2	3023.0506	socket for interior lamp	H1,H2
11	1	3035.0703	sensor core temperature	



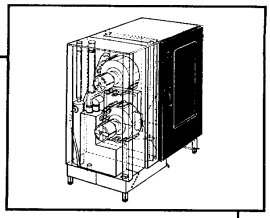
Door

Component Group	Page	Edition	applicable from Serial No.
8	8.1	8.1.1	20M 87 09 1001



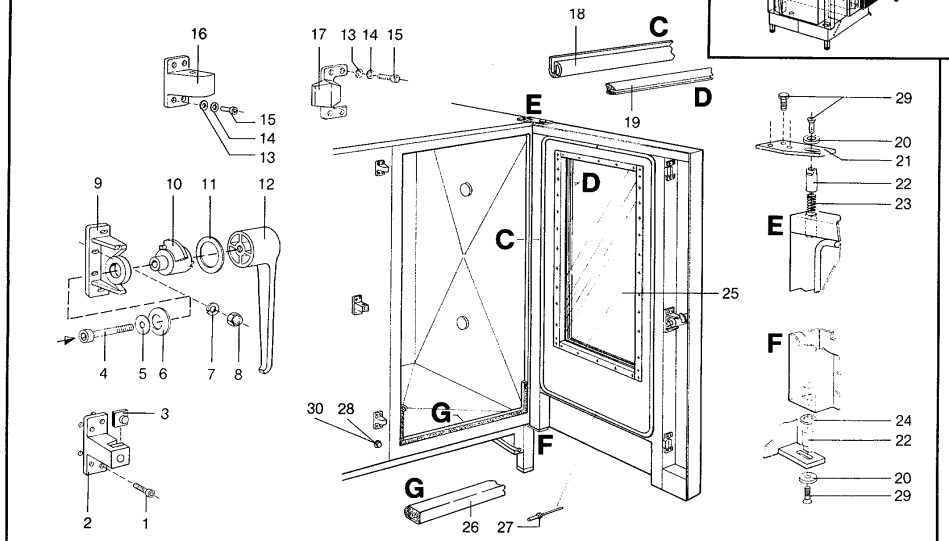
Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8202.7100	door complete	
–	1	2016.1400	door lock complete (pos. 12,11,10,9,6,5,4)	
1	4	1006.1960	socket countersunk head screw M 6x16	
2	1	2016.0603	door catch	
3	1	2016.0605	plastic insert	
4	1	2016.1456	hex socket head cap screw M 10x70	
5	1	2016.1454	washer A 10,5	
6	1	2016.1455	disc spring A 40x20	
7	4	1306.0120	washer A 6,4	
8	4	1106.0360	hex nut M6	
9	1	2016.1457	mounting base	
10	1	2016.1452	cam	
11	1	2016.1453	plastic washer	
12	1	2016.1450	door handle	
13	16	1305.0260	washer A 5,3	
14	16	1205.0360	spring washer	
15	16	1005.0661	hex socket head screw M 5x20	
16	2	2016.0604	ball catch female	
17	2	2016.1300	ball catch male	
18	1	5012.0702	set door gasket	
19	1	5012.0204	set window gasket	
20	2	1008.1960	socket countersunk head screw M 8x30	
21	2	2031.0800	rosette	
22	1	2580.960495	holder plate	
23	2	2016.0802	door bolt	
24	1	2001.0104	compression spring	
25	1	2031.0900	washer	
26	1	5015.0804	door window	

Pos.	Pcs.	Sp. Part No.	Description	Sign
27	1	5012.0551	set gasket for HGW	
28	50	1603.0165	rivet	
29	1	3016.1403	door switch	S3
30	5	1008.0763	socket countersunk head screw M 8x20	
31	1	4016.0500	grommet	

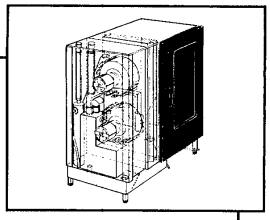


Door

Component Group	Page	Edition	applicable from Serial No.
8	**8.1**	**8.1.2**	**20M 88 09 1141**

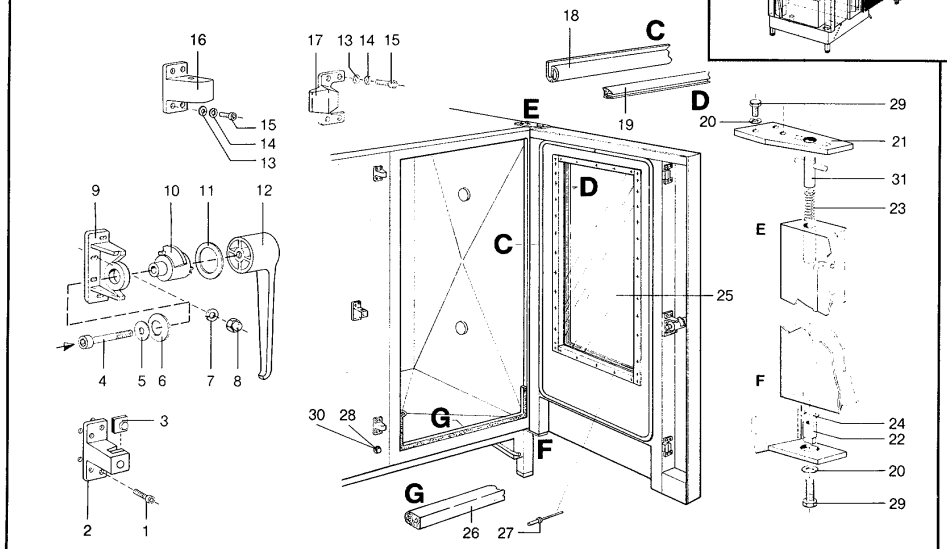


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8202.7100	door complete	
–	1	2016.1400	door lock complete (pos. 12,11,10,9,6,5,4)	
1	4	1006.1960	socket countersunk head screw M 6x16	
2	1	2016.0603	door catch	
3	1	2016.0605	plastic insert	
4	1	2016.1456	hex socket head cap screw M 10x70	
5	1	2016.1454	washer A 10,5	
6	1	2016.1455	disc spring A 40x20	
7	4	1306.0120	washer A 6,4	
8	4	1106.0360	hex nut M6	
9	1	2016.1457	mounting base	
10	1	2016.1452	cam	
11	1	2016.1453	plastic washer	
12	1	2016.1450	door handle	
13	16	1305.0260	washer A 5,3	
14	16	1205.0360	spring washer	
15	16	1005.0661	hex socket head screw M 5x20	
16	2	2016.0604	ball catch female	
17	2	2016.1300	ball catch male	
18	1	5012.0702	set door gasket	
19	1	5012.0204	set window gasket	
20	2	1310.0160	washer	
21	1	2580.960495	holder plate	
22	2	2016.0802	door bolt	
23	1	2001.0104	compression spring	
24	1	2031.0900	washer	
25	1	5015.0804	door window	
26	1	5012.0551	set gasket for HGW	
27	50	1603.0165	rivet	
28	1	3016.1403	door switch	S3
29	5	1008.0763	socket countersunk head screw M 8x20	
30	1	4016.0500	grommet	



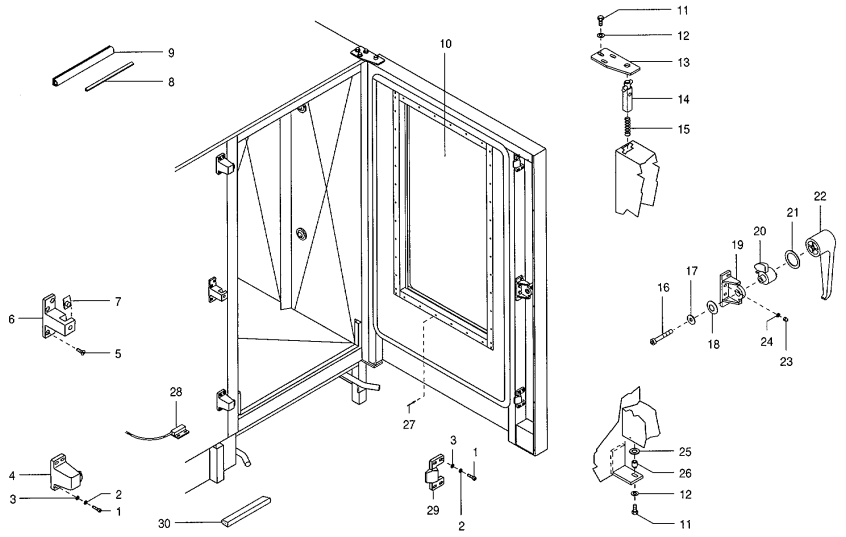
Door

Component Group	Page	Edition	applicable from Serial No.
8	**8.1**	**8.1.3**	**20M 89 04 1049**

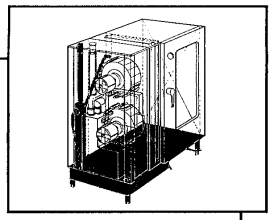


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8202.71000489	door complete	
–	1	2016.1400	door lock complete (pos. 12,11,10,9,6,5,4)	
1	4	1006.1960	socket countersunk head screw M 6x16	
2	1	2016.0603	door catch	
3	1	2016.0605	plastic insert	
4	1	2016.1456	hex socket head cap screw M 10x70	
5	1	2016.1454	washer A 10,5	
6	1	2016.1455	disc spring A 40x20	
7	4	1306.0120	washer A 6,4	
8	4	1106.0360	hex cap nut M6	
9	1	2016.1457	mounting base	
10	1	2016.1452	cam	
11	1	2016.1453	plastic washer	
12	1	2016.1450	door handle	
13	16	1305.0260	washer A 5,3	
14	16	1205.0360	spring washer	
15	16	1005.0661	hex socket head cap screw M 5x20	
16	2	2016.0604	ball catch female	
17	2	2016.1300	ball catch male	
18	1	5012.0702	set door gasket	
19	1	5012.0204	set window gasket	
20	4	1310.0160	washer A 10,5	
21	1	2680.960168	holder plate	
22	1	2016.0802	door bolt	
23	1	2001.0106	compression spring	
24	1	2031.0900	washer	
25	1	5015.0804	door window	
26	1	5012.0551	set gasket for HGW	
27	50	1603.0165	rivet	
28	1	3016.1403	door switch	S3
29	5	1008.0763	hex screw M 8x20	
30	1	4016.0500	grommet	
31	1	2031.0866	locking knob	

Gerätetür **Door**	Spannung Voltage	Baugruppe Group	Ausgabe Edition	gültig ab Seriennummer Applicable from Serial.No.
	3 N AC 400V 50Hz	8	8.1.4	20M96011001

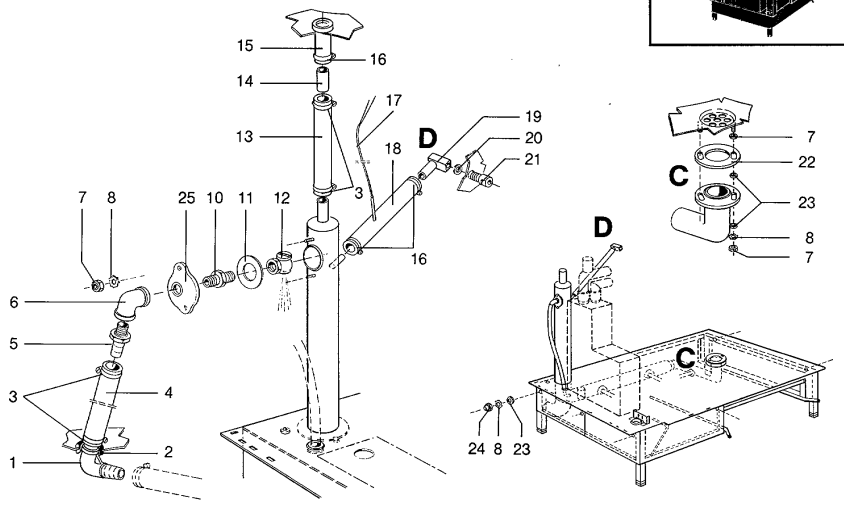


Pos.	St.	Ersatzt.Nr. Sp. Part No.	Bezeichnung	Description
-	1	8202.75000489	Türe kpl. Typ 20, ohne Griff	Door cpl. type 20 without handle
-	1	2016.1400	Türschloß kpl.	Door lock cpl.
1	16	1005.0661	Zylinderschraube mit Innensechskant M5x20	Hex socket head screw M5x20
2	16	1205.0360	Federring d5	Spring-washer d5
3	16	1305.0260	Unterlegscheibe A5,3 DIN9021	Washer A5,3 DIN9021
4	2	2016.0604	Schließblock	Ball catch
5	4	1006.1960	Senkschraube mit Innensechskant M6x16	Hex socket countersunk head screw M6x16
6	1	2016.0603	Schließkloben	Door catch
7	1	2016.0605	Kunststoffeinsatz für Schließkloben	Plastic insert for door catch
8	1	5012.0204	Satz Dichtung für Scheibe 5,8 m Typ 20	Set gasket for washer 5,8 m type 20
9	1	5012.0702	Satz Türdichtung Typ 20	Set door gasket for type 20
10	1	5015.0804	Glasscheibe Typ 20	Door window CD/CM 20
11	4	1008.0763	Sechskantschraube M8x20	Hex screw M8x20
12	4	1310.0160	Unterlegscheibe A10,5	Washer A 10,5
13	1	2680.960168	Türhalteplatte ab 04/89	Bracket top for door
14	1	2016.0866	Rastknebel für Türe ab 04/89	Door stopping bolt cpl.
15	1	2001.0106	Druckfeder Tür ab 04/89	Compression spring door
16	1	2016.1456	Zylinderschraube mit Innensechskant M10x70	Hex socket head screw M10x70
17	1	2016.1454	Unterlegscheibe A10,5 für Türschloß	Washer A10,5 for door lock
18	1	2016.1455	Tellerfeder A40x20 für Türschloß	Disc spring A40x20 for door lock
19	1	2016.1457	Lagerbock	Mounting base
20	1	2016.1452	Schnecke	Cam
21	1	2016.1453	Kunststoffscheibe f. Türschloß	Plastic washer
22	1	2016.1450	Türgriff	Door handle
23	4	1106.0360	Hutmutter M6, hohe Form	Cap nut M6, high shape
24	4	1306.0120	Unterlegscheibe A6,4 DIN125	Washer A6,4
25	1	2031.0900	Unterlegscheibe d15 für Türe bis 04/89	Washer 15 mm door 201/20 up to 4/89
26	1	2016.0802	Türhaltebolzen d15x20	Door bolt d15x20
27	50	1603.0165	Blindniete 3,2x9,5	Rivet 3.2x9.5, CNS closed
28	1	3016.1415	Türkontaktschalter	Door contact switch
29	2	2016.1300	Schließplatte	Ball catch male
30	1	5012.0551	Satz Dichtung für HGW Typ 20	Set gasket for CD/CM 20

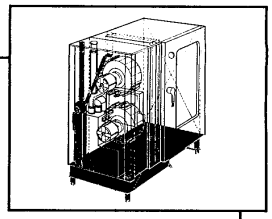


Bottom (Top elevation)

Component Group	Page	Edition	applicable from Serial No.
9	**9.1**	**9.1.1**	**20M87091001**

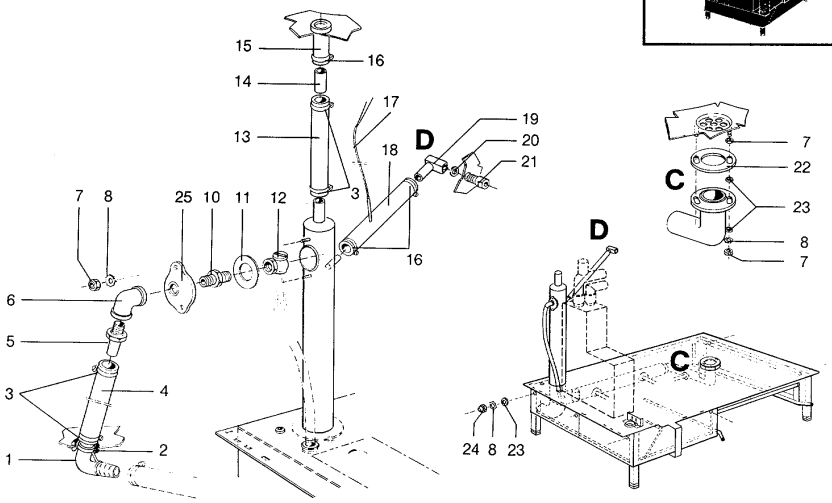


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8612.0105	quench nozzle complete (pos. 5,6,9,25,10,11,12)	
1	1	2062.0301	plastic elbow fitting	
2	2	2022.0101	grommet	
3	4	2066.0202	hose clamp 12–22 mm	
4	1	2067.0103	pressure hose 650 mm long	
5	1	2062.0102	hose fitting G ⅜"	
6	1	2064.0300	elbow fitting ⅜", 90 degrees	
7	8	1106.0160	hex nut M6	
8	10	1206.0120	toothed lock washer A 6,4	
10	1	2064.0200	double nipple G ⅜"	
11	1	2070.0020	gasket	
12	1	2016.0900	quench nozzle	
13	1	2067.1607	pressure hose 720 mm long	
14	1	2610.330080	pipe	
15	1	4016.0601	air inlet grommet	
16	5	2066.0506	hose clamp 20–32 mm	
17	1	3014.0150	sensor for steam controller B2	
18	1	2067.1612	silicone hose 380 mm long	
19	1	8450.0100	elbow fitting G ½", 90 degrees	
20	1	1315.0100	copper washer	
21	1	2016.0850	bushing G ½"	
22	1	5012.0525	gasket	
23	14	1306.0221	washer A 6,4	
24	6	1106.0360	hex cap nut M6	
25	1	2070.0021	cover for quench nozzle	

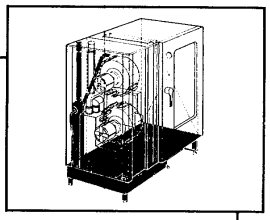


Bottom (Top elevation)

Component Group	Page	Edition	applicable from Serial No.
9	**9.1**	**9.1.2**	**20M 89 041049**

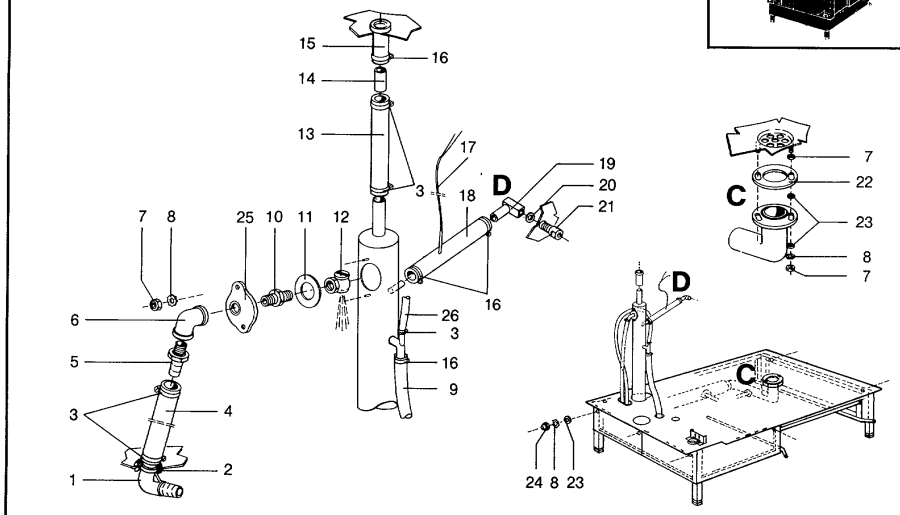


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8612.0105	quench nozzle complete (pos. 5, 6, 9, 25, 10, 11, 12)	
1	1	2062.0301	plastic elbow fitting	
2	2	2022.0101	grommet	
3	4	2066.0202	hose clamp 12 – 22 mm	
4	1	2067.0103	pressure hose 650 mm long	
5	1	2062.0102	hose fitting G 3/8"	
6	1	2064.0300	elbow fitting 3/8", 90 degrees	
7	8	1106.0160	hex nut M6	
8	10	1206.0120	toothed lock washer A 6,4	
10	1	2064.0200	doubel nipple G 3/8"	
11	1	2070.0020	gasket	
12	1	2016.0900	quench nozzle	
13	1	2067.1607	pressure hose 720 mm long	
14	1	2610.330080	pipe	
15	1	4016.0601	air inlet grommet	
16	5	2066.0506	hose clamp 20 – 32 mm	
17	1	3014.0150	sensor for steam controller B2	
18	1	2067.1612	silicone hose 380 mm long	
19	1	8450.0100	elbow fitting G ½", 90 degrees	
20	1	1315.0100	copper washer	
21	1	2016.0863	bushing G ½"	
22	1	5012.0525	gasket	
23	14	1306.0221	washer A 6,4	
24	6	1106.0360	hex cap nut M6	
25	1	2070.0021	cover for quench nozzle	



Bottom (Top elevation)

Component Group	Page	Edition	applicable from Serial No.
9	**9.1**	**9.1.3**	**20M 89 10 4001**

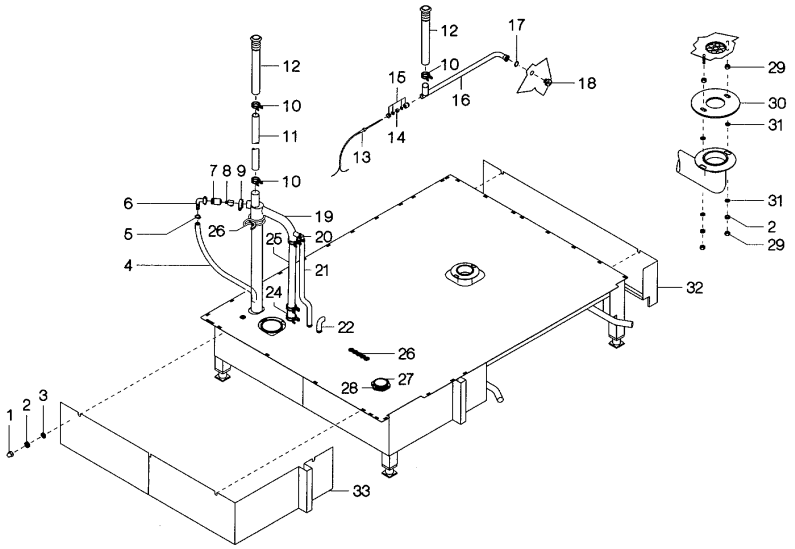


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8612.0105	quench nozzle complete (pos. 5,6,9,25,10,11,12)	
1	3	2062.0301	plastic elbow fitting	
2	5	2022.0101	grommet	
3	4	2066.0202	hose clamp 12–22 mm	
4	1	2067.0130	pressure hose	
5	1	2062.0102	hose fitting G 3/8"	
6	1	2064.0300	elbow fitting 3/8", 90 degrees	
7	8	1106.0160	hex nut M6	
8	10	1206.0120	toothed lock washer A 6,4	
9	1	2067.1615	silicone hose	
10	1	2064.0200	double nipple G 3/8"	
11	1	2070.0020	gasket	
12	1	2016.0900	quench nozzle	
13	1	2067.1607	pressure hose 720 mm long	
14	1	2610.330080	pipe	
15	1	4016.0601	air inlet grommet	
16	6	2066.0506	hose clamp 20–32 mm	
17	1	3014.0150	sensor for bypass B2	
18	1	2067.1614	silicone hose	
19	1	8450.0100	elbow fitting G 1/2", 90 degrees	
20	1	1315.0100	copper washer	
21	1	2016.0863	bushing G 1/2"	
22	1	5012.0525	gasket	
23	14	1306.0221	washer A 6,4	
24	6	1106.0360	hex cap nut M6	
25	1	2070.0021	cover for quench nozzle	
26	1	2067.0105	pressure hose	

RATIONAL Combi-Steamer CM 20

Bottom (Top elevation)

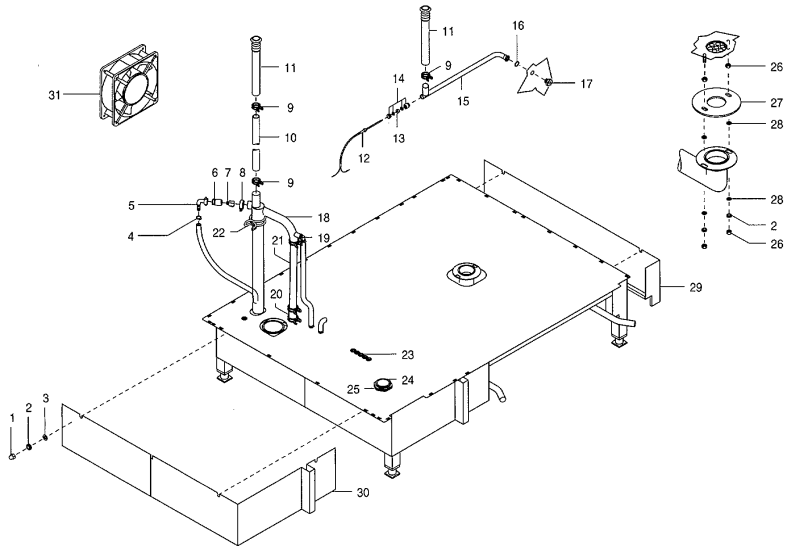
Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**9**	**9.1**	**9.1.4**	**20M91042001**



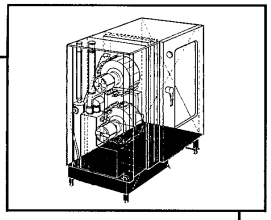
Pos.	Pcs.	Sp. Part No.	Description	Sign.
-	1	8612.0111	quenching nozzle cpl.	
1	6	1106.0360	hex cap nut M6	
2	6	1306.0550	washer A6,4	
3	8	1206.0120	toothed lock washer A6,4	
4	1	2067.0156	pressure hose 440mm long	
5	7	2066.0205	hose clamp 12-18mm	
6	1	2062.0208	threaded pipe angle G1/2"	
7	1	2016.0883	threaded connection quenching nozzle	
8	1	2016.0915	quenching nozzle	
9	1	2066.0506	hose clamp 20-32mm	
10	5	2066.0518	hose clamp 30mm	
11	1	2610.420321	PP-pipe 820mm long	
12	2	4016.0101	vent connection	
13	1	3014.0156	sensor bypass	E3
14	1	2022.0100	gasket	
15	1	4007.0600	cable connection PG9	
16	1	2071.0102	bypass pipe	
17	1	1315.0104	copper washer	
18	1	2016.0920	bypass nozzle	
19	1	2022.0201	drain elbow	
20	1	2062.0301	plastic elbow fitting	
21	1	2067.0157	pressure hose 340mm long for steam generator filling	
22	1	2067.0110	pressure hose 360mm long for steam generator rinsing	
23	1	2022.0202	hose connection piece 40mm long	
24	1	2644.250288	PP-pipe 300mm long	
25	1	2066.0520	hose clamp 46mm	
26	10	2022.0101	grommet	
27	1	4007.0606	cable connection PG36	
28	1	4007.0607	lock nut for PG36	

Pos.	Pcs.	Sp. Part No.	Description	Sign.
29	4	1106.0160	hex nut M6	
30	1	5012.0555	gasket	
31	5	1306.0221	washer A6,4	
32	1	2510.080149	bottom plate cover right	
33	1	8402.0042	bottom plate cover left	

Bodengruppe (Oberseite) **Bottom** (Top elevation)	Spannung Voltage	Baugruppe Group	Ausgabe Edition	gültig ab Seriennummer Applicable from Serial.No.
	3 N AC 400V 50Hz	9	9.1.5	20M96011001

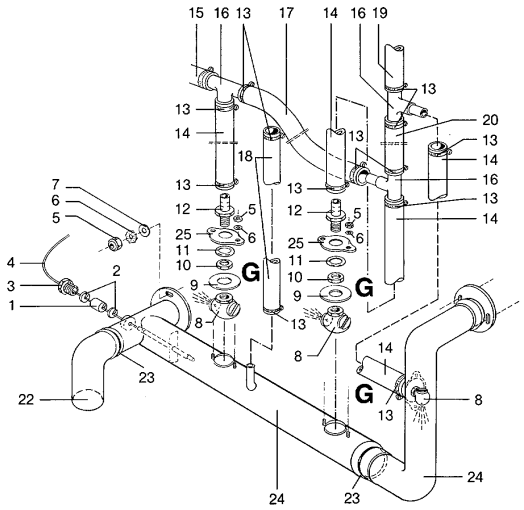


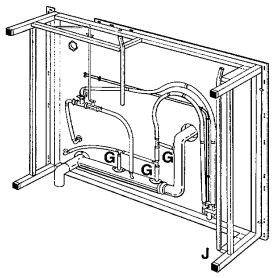
Pos.	St.	Ersatzt.Nr.	Bezeichnung	Description
Pos.	Pcs.	Sp. Part No.		
-	-	2067.0050	Druckschlauch NW10 1 lfm.	Pressure hose NW10 per meter
-	1	8612.0111	Ablöschdüse oben komplett	Quench nozzle top
1	6	1106.0360	Hutmutter M6, hohe Form	Cap nut M6, high shape
2	6	1306.0550	Unterlegscheibe A6,6	Washer A6,6
3	8	1206.0120	Zahnscheibe A6,4	Toothed lock washer A6,4
4	7	2066.0205	Schlauchschelle 12-18 mm	Hose clamp 12-18 mm
5	1	2062.0208	Winkelverschraubung G1/2"x10	Elbow Nipple 1/2"x10mm
6	1	2016.0883	Verschraubung Ablöschdüse ab 04/91	Threaded connection for quenching nozzle
7	1	2016.0915	Ablöschdüse oben	Quenching nozzle top
8	1	2066.0506	Schlauchschelle 20-32mm	Hose clamp 20-32mm
9	6	2066.0518	Schlauchklemme 30mm	Hose clamp 30mm
10	1	2610.420321	PP-Rohr 820mm lang Ablaufbelüftung	PP-pipe 820 mm drain vent
11	2	4016.0101	Entlüftungstülle 250mm ab 04/91	Vent grommet 250mm from 04/91
12	1	3014.0156	Fühler Ablöschung/Bypass	Sensor bypass/quenching
13	1	2022.0100	Silikondurchführung rot 15x4mm	Silicone gasket red
14	1	4007.0600	Kabelverschraubung PG 9 Metall	Cable connection PG9
15	1	2071.0102	Bypassrohr Typ 20 ab 04/91	Bypass pipe type 20 from 04/91
16	1	1315.0104	Kupferdichtung 16x20x1,5	Copper washer 16x20x1,5
17	1	2016.0920	Bypassdüse ab 04/91	Bypass nozzle from 4/91
18	1	2022.0201	Abflußkrümmer ab 04/91	Drain elbow from 04/91
19	1	2062.0301	Winkelschlauchfitting WS 10	Angle fitting plastic WS 10
20	1	2022.0202	Schlauchstutzen 40mm SC-Pumpe	Hose connection piece 40 mm SC-pump
21	1	2644.250288	PP-Rohr 300mm Pumpenanschluß	PP-pipe 300 mm pump connection
22	1	2066.0520	Schlauchklemme d 47 mm	Hose clamp 47 mm
23	10	2022.0101	Durchführungstülle 18 mm	Grommet 18 mm
24	1	4007.0606	Kabelverschraubung PG36 mit Zugentlastung	Cable connection PG36 strain relief
25	1	4007.0607	Polyamid Sechskantmutter für PG36	Lock nut for PG36 poliamid
26	4	1106.0160	Sechskantmutter M6	Hex nut M6
27	1	5012.0555	Dichtung Bodenablauf ab 04/91	gasket for drain from 04/91
28	4	1306.0221	Unterlegscheibe A6,4 DIN9021	Washer A6,4 DIN125
29	1	2510.080149	Verkleidungsblech rechts Typ 20	Side panel right type 20
30	1	8402.0042	Bodenverkleidung links mit Handbrause	Bottom flank cover left with hand shower
31	1	3101.1008	Kühllüfter	Cooling motor

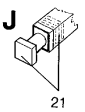


Bottom (Lower elevation)

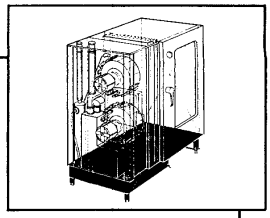
Component Group	Page	Edition	applicable from Serial No.
10	**10.1**	**10.1.1**	**20M 87 09 1001**





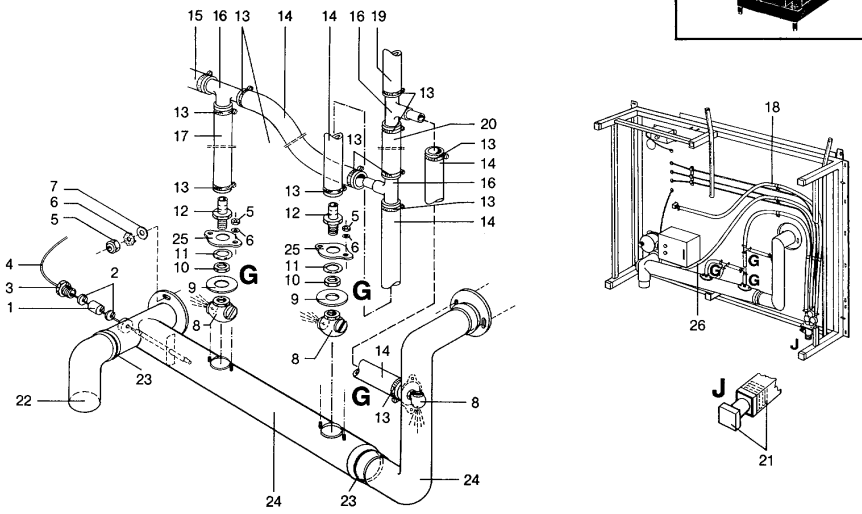


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	3	8612.0103	quench nozzle complete (pos. 8,9,10,25,11,12)	
1	1	3014.0303	stuffing box packing	
2	2	3014.0304	washer	
3	1	3014.0305	stuffing box nipple	
4	1	3014.0312	thermostat	P1
			quenching system	
5	4	1106.0160	hex nut M6	
6	4	1206.0120	toothed lock washer A 6,4	
7	2	1306.0221	washer A 6,4	
8	3	2016.0901	quench nozzle	
9	3	2070.0020	gasket	
10	3	2580.600594	washer	
11	3	5012.0532	O-ring gasket	
12	3	2062.0102	hose fitting G 3/8"	
13	12	2066.0202	hose clamp 12–22 mm	
14	3	2067.0107	pressure hose 105 mm long	
15	1	2067.0110	pressure hose 360 mm long	
16	3	2062.0302	T-fitting	
17	1	2067.0109	pressure hose 240 mm long	
18	1	2067.0304	pressure hose 530 mm long	
19	1	2067.0111	pressure hose 1030 mm long	
20	1	2067.0108	pressure hose 120 mm long	
21	4	2039.0100	foot adjustable _ _ _ _ _ _ _ _ _ _	from 20M88011001 : 2039.0111
22	1	2070.0007	elbow pipe	
23	2	2070.0013	sealing element	
24	1	2070.0016	drain pipe complete	
25	5	2070.0021	cover for quench nozzle	



Bottom (Lower elevation)

Component Group	Page	Edition	applicable from Serial No.
10	**10.1**	**10.1.2**	**20M 89 10 4001**

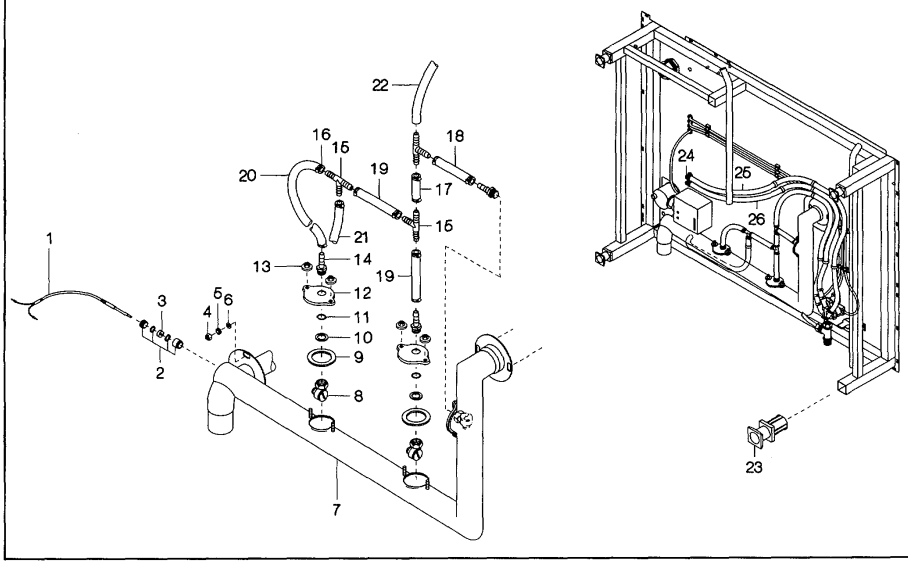


Pos.	Pcs.	Sp. Part No.	Description	Sign
–	3	8612.0103	quench nozzle complete (pos. 8,9,10,25,11,12)	
1	1	3014.0303	stuffing box packing	
2	2	3014.0304	washer	
3	1	3014.0305	stuffing box nipple	
4	1	3014.0312	thermostat quenching system	P1
5	4	1106.0160	hex nut M6	
6	4	1206.0120	toothed lock washer A 6,4	
7	2	1306.0221	washer A 6,4	
8	3	2016.0901	quench nozzle	
9	3	2070.0020	gasket	
10	3	2580.600594	washer	
11	3	5012.0532	O-ring gasket	
12	3	2062.0102	hose fitting G 3/8"	
13	18	2066.0202	hose clamp 12–22 mm	
14	3	2067.0107	pressure hose	
15	1	2067.0119	pressure hose	
16	3	2062.0302	T-fitting	
17	1	2067.0109	pressure hose	
18	1	2067.0134	pressure hose	
19	1	2067.0104	pressure hose	
20	1	2067.0108	pressure hose	
21	4	2039.0111	foot adjustable	
22	1	2070.0007	elbow pipe	
23	2	2070.0013	sealing element	
24	1	2070.0028	drain pipe complete	
25	5	2070.0021	cover for quench nozzle	
26	1	2067.0135	pressure hose	

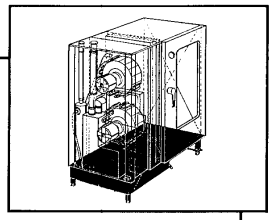
RATIONAL Combi-Steamer CM 20

Bottom (Lower elevation)

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**10**	**10.1**	**10.1.3**	**20M91042001**

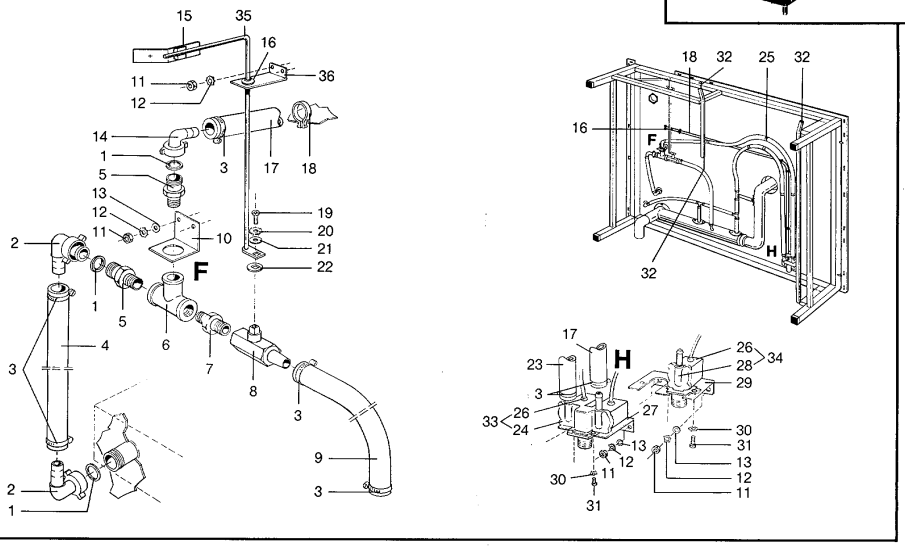


Pos.	Pcs.	Sp. Part No.	Description	Sign.
-	3	8612.0103	quenching nozzle cpl. (pos.8,9,10,11,12,14)	
1	1	3014.0156	sensor quenching system	E2
2	1	4007.0600	cable connection PG9	
3	1	2022.0100	gasket	
4	2	1106.0160	hex nut M6	
5	2	1206.0120	toothead lock washer A6,4	
6	2	1306.0221	washer A6,4	
7	1	2070.0040	drain system cpl.	
8	3	2016.0901	quenching nozzle	
9	3	2070.0020	gasket	
10	3	2580.600594	washer	
11	3	5012.0532	gasket	
12	3	2070.0021	cover	
13	6	1106.0801	hex-combi-nut M6	
14	3	2062.0102	hose fitting G3/8"	
15	3	2062.0302	T-fitting	
16	18	2066.0205	hose clamp 12-18mm	
17	1	2067.0150	pressure hose 60mm long	
18	1	2067.0107	pressure hose 105mm long	
19	2	2067.0108	pressure hose 120mm long	
20	1	2067.0155	pressure hose 230mm long	
21	1	2067.0129	pressure hose 470mm long	
22	1	2067.0132	pressure hose 815mm long	
23	4	2039.0111	foot adjustable	
24	3	2062.0301	plastic elbow fitting	
25	1	2067.0143	pressure hose 1270mm long for steam generator rinsing	
26	1	2067.0147	pressure hose 140mm long for steam generator filling	



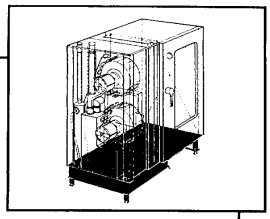
Bottom (Lower elevation)

Component Group	Page	Edition	applicable from Serial No.
10	**10.2**	**10.2.1**	**20M 87 09 1001**



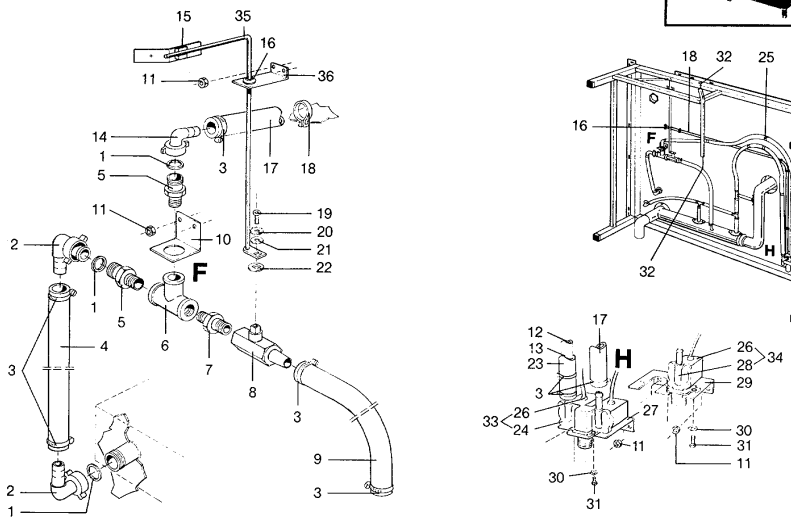
Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8611.0101	T-fitting with ball valve complete (pos. 5,6,7,8,10)	
1	2	5012.0529	sealing ring for elbow fitting	
2	2	2062.0200	elbow fitting G ¾"	
3	7	2066.0202	hose clamp 12–22 mm	
4	1	2067.0303	pressure hose 225 mm long	
5	2	1500.1579	reducing nipple G ½" x G ¾"	
6	1	2036.0501	T-fitting G ½"	
7	1	2062.0103	double nipple G ½"	
8	1	2062.0100	ball valve	
9	1	2067.0304	pressure hose 530 mm long	
10	1	2580.730385	holder for T-fitting	
11	6	1106.0160	hex nut M6	
12	6	1206.0120	toothed lock washer A 6,4	
13	6	1306.0221	washer A 6,4	
14	1	2062.0203	elbow fitting G ¾"	
15	1	4006.0202	cable clamp	
16	3	2022.0101	grommet	
17	1	2067.0112	pressure hose 1370 mm long	
18	4	4006.0201	cable clamp	
19	1	1006.0300	slotted raised countersunk head screw	
20	1	1205.0120	toothed lock washer A 5,3	
21	1	1305.0260	washer A 5,3	
22	1	1308.0560	washer	
23	1	2067.0111	pressure hose 1030 mm long	

Pos.	Pcs.	Sp. Part No.	Description	Sign
24	1	3002.0304	double solenoid valve	
25	6	4006.0203	cable clamp	
26				
27	1	2580.720384	holder for double solenoid valve	
28	2	3002.0305	2 single solenoid valves (option)	
29	1	2580.910401	holder for 2 single solenoid valves (option)	
30	2	1204.0120	toothed lock washer A 4,3	
31	4	1004.0660	hex socket head cap screw M 4x10	
32	3	2039.0204	plastic cap	
33	1	3002.0304	double solenoid valve complete	
34	2	3002.0305	2 single solenoid valves complete	
35	1	8410.0102	lever for ball valve	
36	1	2580.740386	holding strap for lever for ball valve	



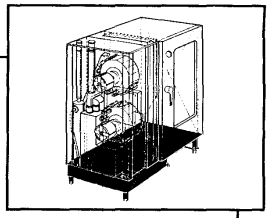
Bottom (Lower elevation)

Component Group	Page	Edition	applicable from Serial No.
10	**10.2**	**10.2.2**	**20M 89 04 1049**



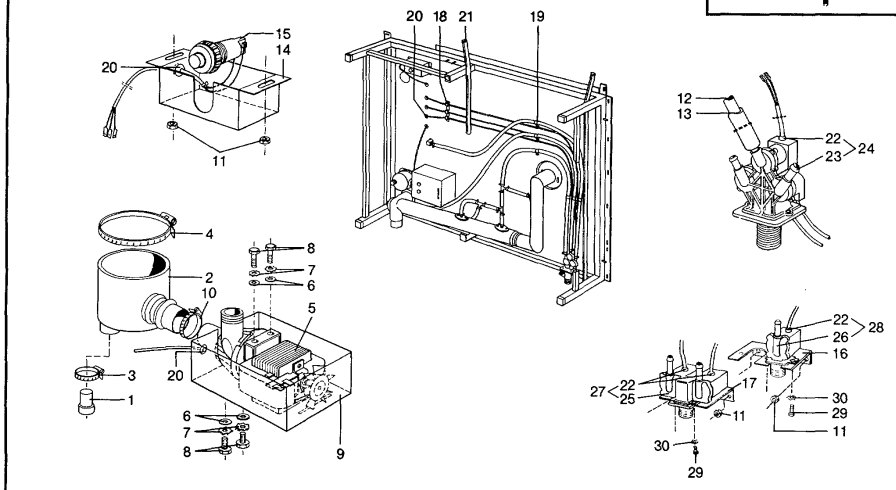
Pos.	Pcs.	Sp. Part No.	Description	Sign
–	1	8611.0101	T-fitting with ball valve complete (pos. 5,6,7,8,10)	
1	2	5012.0529	sealing ring for elbow fitting	
2	2	2062.0200	elbow fitting G ¾"	
3	8	2066.0202	hose clamp 12–22 mm	
4	1	2067.0303	pressure hose 225 mm long	
5	2	1500.1579	reducing nipple G ½" x G ¾"	
6	1	2036.0501	T-fitting G ½"	
7	1	2062.0103	double nipple G ½"	
8	1	2062.0100	ball valve	
9	1	2067.0304	pressure hose 530 mm long	
10	1	2580.730385	holder for T-fitting	
11	6	1106.0801	hex combi nut M6	
12	1	1900.0103	flow regulator orange	
13	1	2016.0867	socket for flow regulator	
14	1	2062.0203	elbow fitting G ¾"	
15	1	4006.0202	cable clamp	
16	3	2022.0101	grommet	
17	1	2067.0112	pressure hose 1370 mm long	
18	4	4006.0201	cable clamp	
19	1	1006.0300	slotted raised countersunk head screw	
20	1	1205.0120	toothed lock washer A 5,3	
21	1	1305.0260	washer A 5,3	
22	1	1308.0560	washer	
23	1	2067.0111	pressure hose 1030 mm long	

Pos.	Pcs.	Sp. Part No.	Description	Sign
24				
25	6	4006.0203	cable clamp	
26				
27	1	2580.720384	holder for double solenoid valve	
28				
29	1	2580.910401	holder for 2 single solenoid valves (option)	
30	2	1204.0120	toothed lock washer A 4,3	
31	4	1004.0660	hex socket head cap screw M 4x10	
32	3	2039.0204	plastic cap	
33	1	3002.0304	double solenoid valve complete	
34	2	3002.0305	2 single solenoid valves complete	
35	1	8410.0102	lever for ball valve	
36	1	2580.740386	holding strap for lever for ball valve	



Bottom (Lower elevation)

Component Group	Page	Edition	applicable from Serial No.
10	**10.2**	**10.2.3**	**20M 89 10 4001**

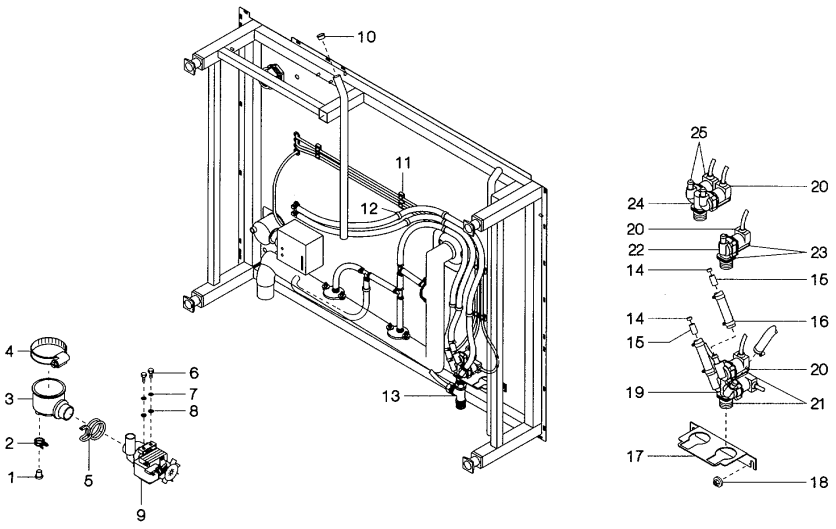


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	2016.0873	stopper for pump connection	
2	1	2022.0110	pump connection	
3	3	2066.0202	hose clamp	
4	1	2066.0505	hose clamp 70–90mm	
5	1	3002.0100	discharging pump	
6	4	1306.0120	washer A 6,4	
7	4	1206.0120	toothed lock washer A 6,4	
8	4	1006.1960	socket countersunk head screw M 6x16	
9	1	2510.690995	cover for discharging pump	
10	1	2066.0506	hose clamp	
11	4	1106.0801	hex-combi-nut M6	
12	1	1900.0103	flow regulator orange	
13	1	2016.0867	socket for flow regulator	
14	1	2581.020843	holder for pushbutton	
15	1	3016.1352	pushbutton	
16	1	2580.910401	holder for single solenoid valves and 1 double solenoid valve (option)	
17	1	2580.720384	holder for triple solenoid valve	
18	10	4006.0201	cable clamp	
19	8	4006.0203	cable clamp	
20	11	2022.0101	grommet	
21	3	2039.0204	plastic cap	
22				
23				
24	1	3002.0311	triple solenoid valve complete	
25				
26				
27	1	3002.0304	double solenoid valve complete	
28	1	3002.0305	single solenoid valves complete	
29	4	1004.0660	hex socket head screw M 4x10	
30	4	1204.0120	toothed lock washer 4,3	

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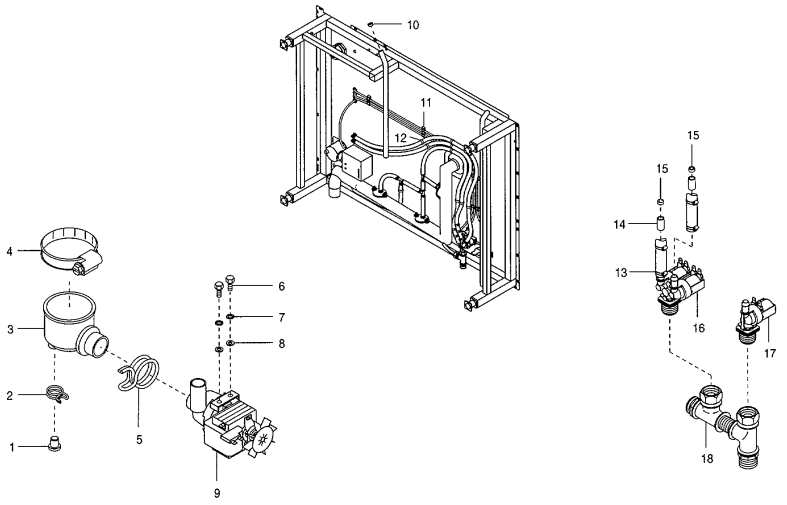
Bottom (Lower elevation)

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**10**	**10.2**	**10.2.4**	**20M91042001**

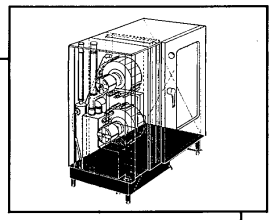


Pos.	Pcs.	Sp. Part No.	Description	Sign.
1	1	2016.0873	end cap for pump connection	
2	1	2066.0517	hose clamp 18,2mm	
3	1	2022.0110	pump connection	
4	1	2066.0516	hose clamp 60-80mm	
5	1	2066.0519	hose clamp 35,6mm	
6	2	1006.1960	hex screw M6x16	
7	2	1206.0120	toothed lock washer A6,4	
8	2	1306.0120	washer A6,4	
9	1	3002.1000	discharging pump	
10	3	2039.0204	plastic cap	
11	10	4006.0201	fixing clip for solenoid cable	
12	13	4006.0203	fixing clip for pressure hose	
13	1	8621.0100	set water connection	
14	1	1900.0103	flow regulator orange	
15	2	2016.0867	socket for flow regulator	
16	5	2066.0205	hose clamp 12-18mm	
17	1	2580.721120	bracket holder solenoid valve	
18	2	1106.0801	hex-combi-nut M6	
19				
20				
21	1	3002.0311	triple solenoid valve cpl.	
22				
23	1	3002.0305	single solenoid valve cpl. (option)	
24				
25	1	3002.0304	double solenoid valve cpl. (option)	

Bodengruppe (Unterseite) **Bottom** (Lower elevation)	Spannung Voltage	Baugruppe Group	Ausgabe Edition	gültig ab Seriennummer Applicable from Serial.No.
	3 N AC 400V 50Hz	10	10.2.5	20M9603XXXX

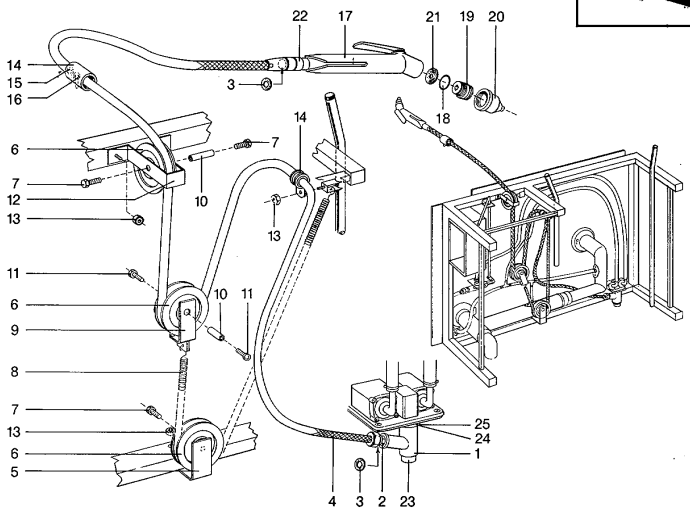


Pos.	St. Pcs.	Ersatzt.Nr. Sp. Part No.	Bezeichnung	Description
-	-	2067.0050	Druckschlauch NW10 1 lfm.	Pressure hose NW10 per meter
1	1	2016.0873	Stopfen für Pumpenanschluß	Plug for pump connection
2	1	2066.0517	Schlauchklemme 18,2mm	Hose clamp 18,2mm
3	1	2022.0110	Pumpenanschluss ab 04/91	Pump connection from 04/91
4	1	2066.0516	Schlauchschelle 60-80mm	Hose clamp 60x80 mm
5	1	2066.0519	Schlauchklemme d 35,6 mm	Hose clamp 35,6mm
6	2	1006.1960	Senkschraube mit Innensechskant M6x16	Hex socket countersunk head screw M6x16
7	2	1206.0120	Zahnscheibe A6,4	Toothed lock washer A6,4
8	2	1306.0120	Unterlegscheibe A6,4 DIN125	Washer A6,4
9	1	3002.1000	Entleerungspumpe 200-240 V, 50/60 Hz	Emptying pump 200-240V 50/60 Hz
10	3	2039.0204	PVC-Lamellenkappe Typ 201/20	PVC- end cap type 201/20
11	10	4006.0201	Kabelbefestigung Magnetventil schwarz 10 Stk.	Fixing clip for solenoid cable 10 ea
12	13	4006.0203	Befestigungschelle PL-KK PA 6 FL	Fixing clip for pressure hose
13	5	2066.0205	Schlauchschelle 12-18 mm	Hose clamp 12-18 mm
14	2	2016.0867	Aufnahme für Durchflußmengenregler	Socket for flow controller
15	2	1900.0103	Durchflußmengenregler orange, Typ 20	Flow controller orange
16	1	3002.0330	Doppelmagnetventil kpl. 220-240V 50Hz	Double ssolenoid valve unit 220-240V 50 Hz
17	1	3002.0331	Einfachmagnetventil kpl. 220/240V 50Hz	Single solenoid valve unit 220/240V 50Hz
18	1	8621.0100	Fittingssatz-Wasseranschluß	Fitting set water connection



Bottom (Hand Shower)

Component Group	Page	Edition	applicable from Serial No.
10	**10.3**	**10.3.1**	**20M 89 04 1049**

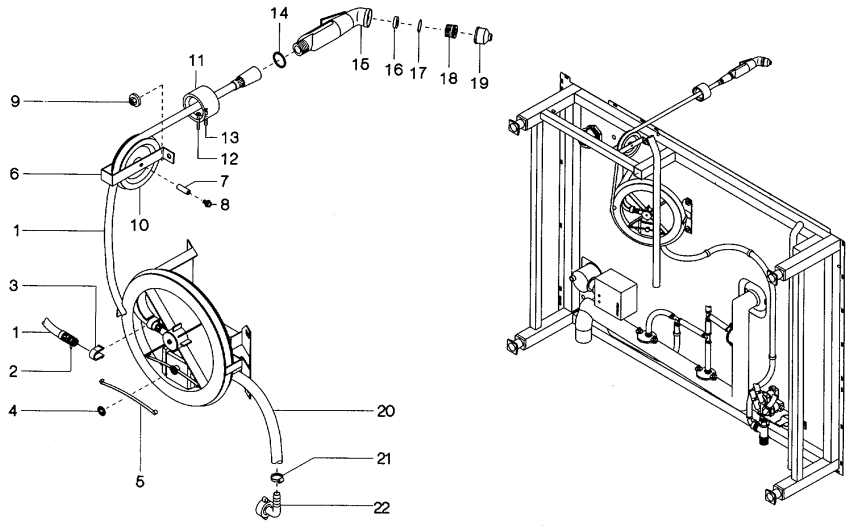


Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	2036.0501	T-fitting	
2	1	2062.0103	reducing nipple	
3	2	5012.0536	gasket	
4	1	2067.0602	shower hose with gasket	
5	4	8630.0102	holder 4, complete	
6	3	2060.0112	hose reel	
7	3	1005.2000	ratchet safety screw	
8	1	2002.0401	tension spring 720 mm	
9	1	8630.0103	bow, welded	
10	3	2060.0115	axle	
11	2	1005.0126	countersunk head screw M 5x6	
12	1	2510.640687	holder 3	
13	5	1106.0801	hex combi nut M6	
14	1	2060.0113	tube 2 for hand shower	
15	1	1004.0664	hex socket head cap screw M 4x16	
16	1	1004.0430	head screw M 4x16	
17	1	2060.0100	hand shower with guide complete (pos. 17,18,19,20)	
18	1	2060.0217	O-ring gasket	
19	1	2060.0216	head screw	
20	1	2060.0215	mouthpiece	
21	1	2060.0218	gasket for hand shower	
22	1	2060.0110	revolving joint	
23	1	1500.1579	reducing nipple	
24	1	2036.0101	tube screw connection	
25	1	5012.0529	gasket	
–	1	8630.0108	bow complete (pos. 6,9,11)	
–	1	8630.0107	holder 4, complete (pos. 5,7,10)	
–	1	8630.0106	holder 3, complete (pos. 12,7,10)	
–	1	8630.0109	T-part complete (pos. 2,23,24,25)	

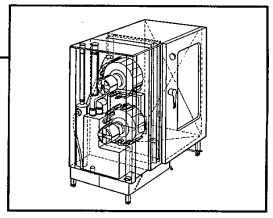
RATIONAL Combi-Steamer CM 20

Bottom (Hand Shower)

Voltage	Group	Page	Edition	Application from Serial. No.
3 N AC 380V 50Hz	**10**	**10.3**	**10.3.2**	**20M93011001**



Pos.	Pcs.	Sp. Part No.	Description	Sign.
-	1	**8410.1016**	hand shower roll guide kpl.	
-	1	8630.0106	holder for hose reel cpl. (pos. 6,7,8,10)	
1	1	2067.0605	shower hose	
2	2	2060.0228	gasket for shower hose	
3	1	2060.0152	climp for shower hose	
4	1	2001.0203	lock washer	
5	1	2001.0202	fastening spring	
6	1	2510.640687	holder for hose reel	
7	1	2016.0878	axle for hose reel	
8	2	1005.2000	safety screw M5x8	
9	2	1106.0801	hex-combi-nut M6	
10	1	2060.0112	hose reel	
11	1	**2060.0113**	tulip	
12	1	1104.0664	hex sochet head cap screw M4x16	
13	1	1004.0664	hex sochet head screw M4x16	
14	1	5012.0536	gasket for shower hose	
15	1	2060.0100	hand shower cpl. (incl. pos. 16,17,18,19)	
16	1	2060.0218	gasket	
17	1	2060.0217	O-ring	
18	1	2060.0216	head screw	
19	1	2060.0215	mouthpiece	
20	1	2067.0060	pressure hose 900mm long	
21	2	2066.0205	hose clamp 12-18mm	
22	1	2062.0203	threaded pipe angle G3/4"	



Miscellaneous

Pos.	Pcs.	Sp. Part No.	Description	Sign
1	1	XXXX.XXXX	interior wiring	indicate order with serial nr. of unit (wiring harness)
2	100	4002.0100	cable shoes 2,5 x 6,3	
3	100 m	8801.1000	silicone wire, coloured 1,5 mm², (indicate colour)	
4	10 m	4015.0202	fibre glass, black 1,5 mm²	
5	10 m	4015.0201	fibre glass, blue 1,5 mm²	
6		9009.1000	high heat paste (tube)	
7		5006.0200	silicone (tube)	
8	2	2005.0401	castor without brake for transport trolley	
9	2	2005.0402	castor with brake for transport trolley	
10	1	8400.3012	handle for roll-in trolley	
11		1603.0164	pop rivet 3,2 x 10	
12		1004.2160	hex head tapping screw B 4,2 complete with washer V 2 A	
13		1104.0821	clamp V 2 A	
14		2001.0040	loctite, heat resistant 10 ml	
15		9006.0850	stainless steel cleaner paste	
16		1605.0101	rivet for cable shaft	